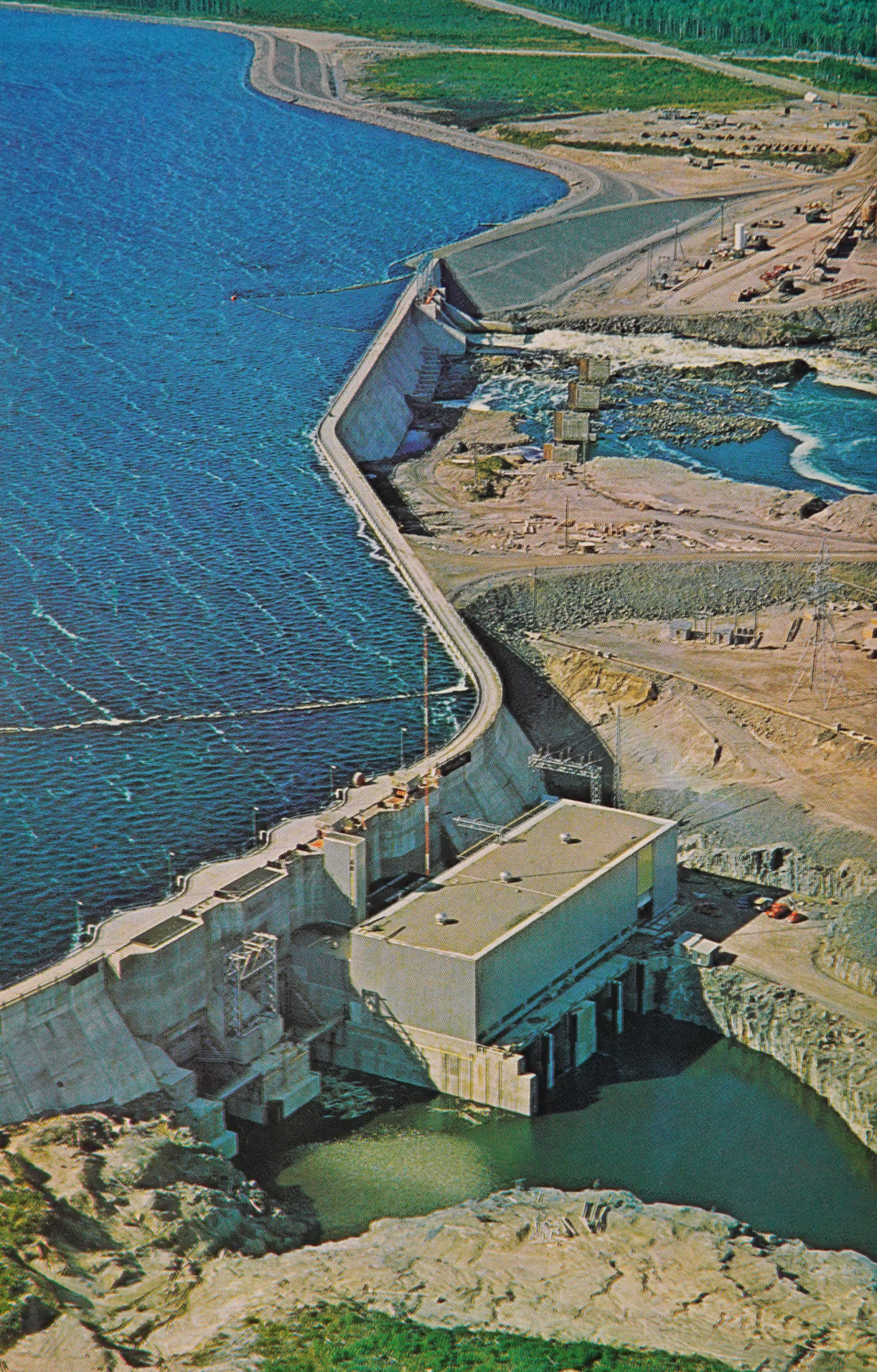
Hydro-Electric Power Commission of Ontario

63 ANNUAL REPORT



LITTLE LONG GENERATING STATION—The first of three developments on the lower Mattagami River, Little Long Generating Station, approximately 42 miles north of Kapuskasing, was officially placed in service during 1963. In the bitter northern winter of 1962-1963, construction was carried out at temperatures as low as 40° below zero.

The Hydro-Electric Power Commission of Ontario

Fifty-sixth

Annual Report

for the year

1963

This Report is published pursuant to The Power Commission Act, Revised Statutes of Ontario, 1960, Chapter 300, Section 10.

620 University Ave. Toronto, Canada

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

April 1964

W. Ross Strike, Q.C.
Chairman

George E. Gathercole
1st Vice-Chairman

Robert J. Boyer, M.P.P.
2nd Vice-Chairman

Lt.-Col. A. A. Kennedy, D.S.O., E.D.
Commissioner

D. P. Cliff
Commissioner

Ernest B. Easson
Secretary

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General Manager

I. K. Sitzer
Deputy General Manager

H. A. Smith
Assistant General Manager
Engineering

E. H. Banks
Assistant General Manager
Finance

H. J. Sissons
Assistant General Manager
Services

C. B. C. Scott
Assistant General Manager
Personnel

D. J. Gordon
Assistant General Manager
Marketing

LETTER OF TRANSMITTAL

TORONTO, ONTARIO, JUNE 29, 1964

THE HONOURABLE W. EARL ROWE, P.C.(C), LL.D.

Lieutenant-Governor of Ontario

SIR:

I have the honour to present the Annual Report of The Hydro-Electric Power Commission of Ontario for the year ended December 31, 1963.

Power requirements reached a maximum in December of 6,796,900 kilowatts, which was 8 per cent greater than the maximum of 6,293,000 kilowatts in December 1962. Resources to meet these requirements amounted to 7,756,250 kilowatts of which 7,138,750 kilowatts were available from the Commission's own generating stations.

As in 1962, the operation of hydro-electric stations was adversely affected by serious drought conditions and low stream-flows in the East System. This resulted in the consumption of unprecedented quantities of coal in the Commission's thermal-electric generating stations. These conditions effectively demonstrated the wisdom of maintaining adequate reserve capacity, and the importance of having interconnections with neighbouring utilities outside the Province of Ontario.

The Commission must plan and build to meet the long-term rate of growth in demands for power, which is approximately 6.5 per cent per annum. The construction program in 1963 included work on seven generating station projects, two conventional thermal-electric, one nuclear-electric, and four hydro-electric. The hydro-electric developments are located in the James Bay watershed nearly five hundred miles north of Toronto.

During the year two units were placed in service at Otter Rapids Generating Station on the Abitibi River, and two at Little Long Generating Station on the Mattagami River. Work proceeded steadily on the 500-kv transmission line which is scheduled to bring power developed at the distant northern sites to load centres in and near Toronto by the summer of 1966.

Satisfactory progress was made in preparing the third 300-megawatt unit at the Lakeview Generating Station near Toronto for commissioning tests to be carried out in 1964. Lakeview will have a total of eight 300-megawatt units by the autumn of 1968. This total installed capacity of 2,400 megawatts is greater than the total installed capacity of all the Commission's generating stations as recently as 1951.

At Douglas Point on the shore of Lake Huron, where Canada's first large-scale nuclear power station is being built, good progress was made and the 200-megawatt unit is scheduled for service in 1965. Further consideration is being given to the many technical and economic factors which have a bearing on whether additional nuclear capacity will later be installed at Douglas Point or at some other site.

In the sales promotion program, the Commission has continued to work in partnership with the municipal electrical utilities, with contractors engaged in construction, and with manufacturers and others associated with the electrical industry. The measure of our success has been our ability to maintain low competitive rates and to still further improve our standards of service.

The Statement of Operations on page 26 shows the Commission's net revenue from the sale of primary power for 1963 at $269.5 million as compared with $249.3 million in 1962. Capital expenditures during the year amounted to $108 million.

The Commission's employees, in the faithful performance of their duties, have continued to show an admirable response to changing conditions. This has been reflected also in the cordiality marking labour relations during the year. The adaptability of the staff has been a major factor in enabling the Commission to develop a more compact and efficient administrative organization, and to introduce improvements which will help to offset what would otherwise be unavoidable increases in the cost of operation.

In October 1963, the Honourable Robert W. Macaulay found it necessary for reasons of health to resign his commissionership. Ontario Hydro acknowledges with gratitude his years of capable and energetic service.

I would also like to record my appreciation of the wholehearted assistance and co-operation of my fellow commissioners.

To the public-spirited members of the municipal electric commissions and their staffs, I extend our thanks and appreciation for their very encouraging support of sales promotion and other projects that have engaged our united effort. We can offset increases in the cost of electrical service only by keeping before us constantly the goal of making the most effective use of our facilities through electrical living. Satisfactory service at the lowest possible cost consistent with adequate and secure supply is our continual objective.

Respectfully submitted,

W. Ross Strike,
Chairman.

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FIFTY-SIXTH ANNUAL REPORT

OF

The Hydro-Electric Power Commission of Ontario

FOREWORD

THE Hydro-Electric Power Commission of Ontario is a corporate entity, a self-sustaining public enterprise endowed with broad powers with respect to electricity supply throughout the Province of Ontario. Its authority is derived from an Act of the Provincial Legislature passed in 1906 to give effect to recommendations of earlier advisory commissions that the water powers of Ontario should be conserved and developed for the benefit of the people of the Province. It now operates under The Power Commission Act (7-Edward VII, c. 19) passed in 1907 as an amplification of the Act of 1906 and subsequently modified from time to time (Revised Statutes of Ontario, 1960, c. 300, as amended). The Commission may have from three to six members, all of whom are appointed by the Lieutenant-Governor in Council. Under the Act as amended early in 1962, two Commissioners may be members of the Executive Council of the Province of Ontario.

The Power Supply

Power is provided through the facilities of two operating systems, the East System and the West System, which, though not physically interconnected, are administered as a unit on behalf of the more than 350 co-operating municipalities, and other Commission customers.

The Commission is primarily concerned with the provision of electric power by generation or purchase, and its delivery in bulk either for resale, chiefly by

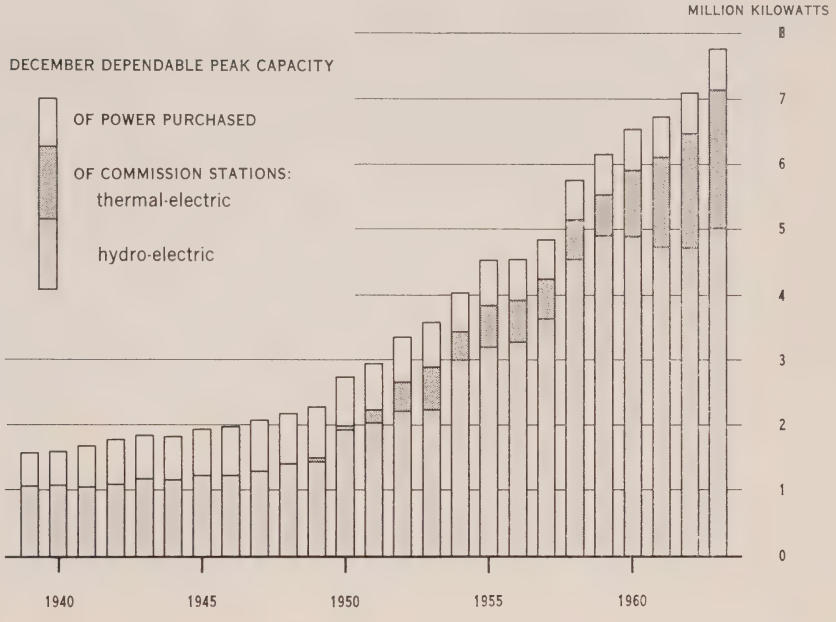
the associated municipal utilities, or for use by certain direct customers, for the most part industrial. This primary aspect of operations accounts for more than 90 per cent of the Commission's energy sales. The remaining sales are made to retail customers either in rural areas or in certain communities not served by municipal electrical utilities. Apart from this particular operation by the Commission, retail service throughout the Province is generally provided by the associated municipal electrical utilities, which are owned and operated by local commissions functioning under the general supervision of The Hydro-Electric Power Commission of Ontario as provided for in The Power Commission Act and The Public Utilities Act.

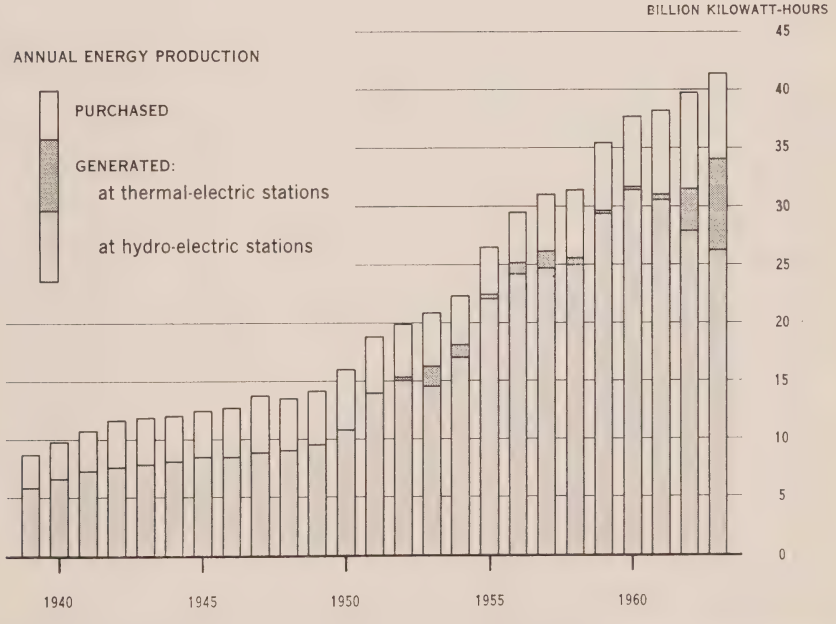
Under this legislation, the Commission in addition to supplying power, is required to exercise certain regulatory functions with respect to the municipal utilities served. In order to provide convenient expeditious service in this dual function of regulation and supply, the Commission maintains offices in certain suitably located cities from where local administration is carried out for the administrative regions into which the Province has been divided. Throughout 1963, there were eight regions, but upon completion of the progressive amalgamation of the East Central and Eastern Regions early in 1964, the East System will include six regions, the Western, Niagara, Central, Georgian Bay, Eastern, and

LITTLE LONG RAPIDS — These tumultuous rapids on the Mattagami River, photographed in June 1960, are now replaced by the relatively quiet water of the headpond and the controlled flow through the penstocks and turbines of Little Long Generating Station. The station, completed in the fall of 1963, has an installed capacity of 121,600 kilowatts in two units operating at a head of 90 feet.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

TOTAL POWER RESOURCES AND ENERGY PRODUCTION





Northeastern Regions, and the West System, one region, the Northwestern. The dividing line between the East and West Systems corresponds roughly with the boundary dividing the Thunder Bay District from the Districts of Algoma and Cochrane.

Financial Features

The basic principle governing the financial operations of the Commission and its associated municipal electrical utilities is that service is provided at cost. In the Commission's operations, cost of service includes payment for power purchased, charges for operation, maintenance, and administration, and related fixed charges. The fixed charges represent interest, an allowance for depreciation, and provision for a sinking fund for the retirement of the Commission's long-term debt. The municipal utilities operating under cost contracts with the Commission are billed throughout the year at interim rates based on estimates of the cost of service. At the end of the year, when the actual cost of service is established, the necessary balancing adjustments are made in their accounts. Retail rates for the municipal utilities are established at levels calculated to produce revenue adequate to meet cost. The Commission's retail rate structure for most rural services has been uniform throughout the Province since 1944.

The enterprise from its inception has been self-sustaining. The Province, however, guarantees the payment of principal and interest on all bonds issued by the Commission and held by the public. In addition, the Province has materially assisted the development of agriculture by contributing under The Rural Hydro-Electric Distribution Act toward the capital cost of extending rural distribution facilities.

Statistical

		1954
Dependable peak capacity, December	thousand kw	4,135
Primary power requirements, December	thousand kw	3,702
Annual energy generated and purchased	million kwh	22,386
Primary	million kwh	20,788
Secondary	million kwh	1,598
Annual energy sold by the Commission	million kwh	19,909
Annual revenue of the Commission (net after refunds)	million $	143
Fixed assets at cost	million $	1,469
Gross expenditure on fixed assets in year	million $	133
Total assets, less accumulated depreciation	million $	1,653
Long-term debt	million $	1,162
Transmission line	circuit miles	15,785
Primary rural distribution line	circuit miles	42,540
Average number of employees in year		18,750
Number of associated municipal electrical utilities		338
Ultimate customers served by the Commission and municipal utilities	thousands	1,467

Annual Summary

The Commission's net revenue from the sale of primary power and energy rose by 8.1 per cent from $249.3 million in 1962 to $269.5 million in 1963. Revenue from the sale of secondary energy, amounting to $3.0 million in 1963, was applied as an offset to the cost of primary power, the comparable revenue in 1962 being $3.2 million.

During 1963, the Commission was engaged in the planning, construction, or commissioning of seven power generating projects. The seven included two conventional thermal-electric, one nuclear-electric, and four hydro-electric stations. Other projects of interest were the extension to the control dam and related remedial works in the Niagara River up stream from the falls, two river diversions in Northern Ontario, and the construction of the extra-high-voltage transmission line connecting the new generating complex in the James Bay watershed with load centres in central Ontario.

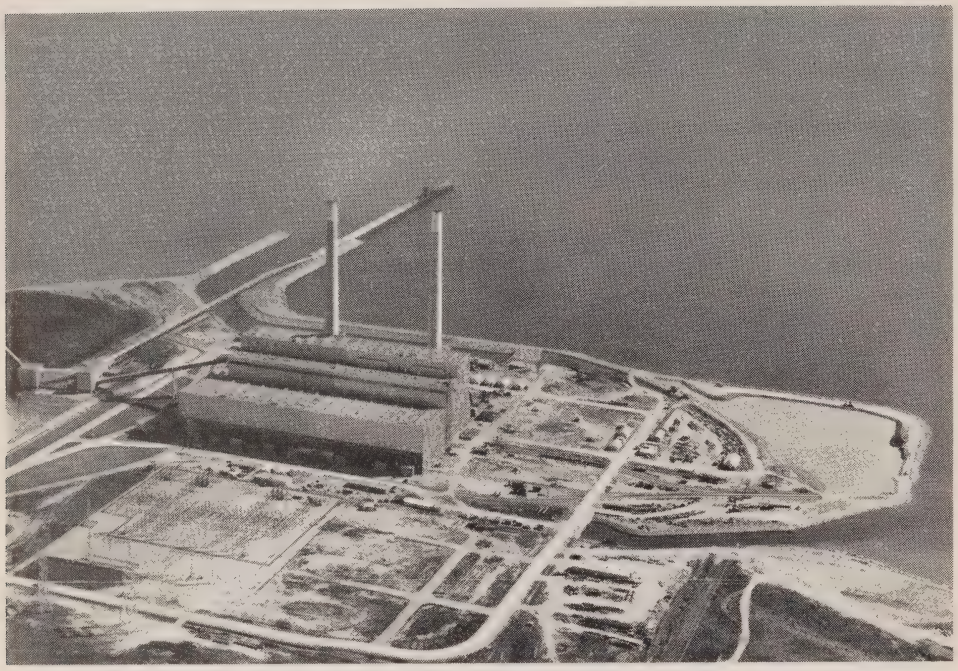
Little Long Generating Station and Units 3 and 4 at Otter Rapids Generating Station were placed in service in 1963. At Lakeview Generating Station, the third 300-megawatt unit is being made ready for commissioning in 1964. The Thunder Bay Generating Station, was commissioned in the early summer of 1963.

GUIDE TO THE REPORT

Details of the Commission's activities which have been briefly summarized in the foregoing paragraphs are given in the six sections and four appendices of the Report which follow. Operations, finance, and customer relations are the subjects of the first three sections and their related appendices. The narrative in

Summary 1954-63

1955	1956	1957	1958	1959	1960	1961	1962	1963
4,530	4,552	4,844	5,761	6,155	6,526	6,734	7,088	7,756
4,229	4,514	4,784	5,139	5,556	5,746	5,949	6,293	6,797
26,555	29,523	31,101	31,450	35,465	37,709	38,212	39,885	41,471
23,258	25,537	27,405	28,382	31,546	32,717	33,861	35,783	37,644
3,297	3,986	3,696	3,068	3,919	4,992	4,351	4,102	3,827
23,888	26,802	28,288	28,599	32,073	34,317	34,807	36,684	38,466
162	183	197	198	213	229	236	249	270
1,573	1,733	1,931	2,108	2,248	2,361	2,462	2,567	2,665
115	173	209	191	154	132	124	114	108
1,788	2,011	2,255	2,421	2,548	2,660	2,780	2,702	2,753
1,209	1,392	1,573	1,692	1,786	1,844	1,918	1,938	1,959
16,115	16,489	16,717	17,499	17,713	17,831	17,971	18,120	18,642
43,851	44,492	45,375	46,438	47,351	47,896	48,068	48,562	48,993
17,278	18,075	19,597	17,701	15,866	15,179	15,097	14,920	14,387
343	350	351	354	354	354	354	355	355
1,540	1,612	1,674	1,757	1,830	1,881	1,939	1,991	2,042



LAKEVIEW GENERATING STATION — NEAR TORONTO — The exterior of the station as required for four 300-megawatt units. During 1963 the six-unit program of construction at the station was extended to include Units 7 and 8, one planned for service in 1967 and the other in 1968.

Section I dealing with the production, purchase, and delivery of power is supplemented in the text by reports of weather conditions, maintenance, communications, and forestry, all of which are related to operations. Supplementary tables are in Appendix I. Section II includes the Commission's Balance Sheet, Statement of Operations, and a Summary of the Allocation of the Cost of Primary Power. In Appendix II are supporting schedules and accounts, including the statements of municipal sinking fund equities and of the allocation of the cost of primary power to municipalities. In Section III, consideration is given to various aspects of marketing and of service to the three main groups of the Commission's customers. Supplementary information on rural service is to be found in Appendix III. Another subsection of Section III, in the form of reports from the regions, deals with certain activities relative to service in municipal utilities. Many of these activities have involved participation by, or the assistance of, members of the Commission's staff.

Engineering, construction, and research activities are discussed in Sections IV and V. Section IV deals with the planning and construction of power facilities. It includes descriptions of the more important construction projects and statistics relative to these and other facilities for the generation, transformation, and delivery of power. Section V contains reports on the progress of some of the tests and investigations being conducted by members of the Commission's Research Division.

Section VI deals with aspects of employee relations, training, and staff administration. Appendix IV lists Orders in Council, and records legislation pertaining to the Commission's affairs.

A large part of the Report is devoted to aspects of retail service to ultimate customers, especially that provided by the municipal electrical utilities. The commentary on these activities and the statistical tables applicable to them are brought together in a supplement to the Report entitled Municipal Electrical Service beginning on page 143. The complete municipal service supplement includes four statements: (1) Statement "A" — balance sheets, (2) Statement "B" — operating statements, (3) Statement "C" — rates, and (4) Statement "D" — other statistical information relating to the municipal systems. As the retail service provided by the Commission in certain municipalities not served by municipal electrical utilities is in all other respects comparable with that provided by the utilities, these municipalities are included in the statistical summaries in the municipal supplement and are also listed in Statements "C" and "D".

SECTION I

OPERATION OF THE SYSTEMS

FOR the second year in succession, near-drought conditions prevailed over a large part of the Province of Ontario. In the East System in particular, hydro-electric production was adversely affected by below-normal water conditions on the rivers of major supply. Mean flows for the year of the Niagara, St. Lawrence, and Ottawa Rivers were below the previous 10-year mean by 15, 14, and 31 per cent respectively, and mean flow of the Niagara River for October was the lowest for that month in the 103 years on record. Even in the West System, where storages at the end of 1962 had been largely re-established at normal levels, there was a decline during 1963 to about 90 per cent of normal.

Power Demands and Resources

There was a notable increase in power demands during 1963, reflecting in part the steady growth in the economy of the province. In December primary peak demand reached 6,796,900 kilowatts, up 8.0 per cent from the peak established in 1962. The peak for 1963 was unexpectedly high largely because of the unusually cold weather.

The total annual output of the resources available to the Commission was 41.5 billion kilowatt-hours in 1963, 4.0 per cent greater than in 1962. Of the 1963 total, 34.1 billion kilowatt-hours were generated by the Commission — 7.8

per cent more than in 1962, and 7.4 billion kilowatt-hours were purchased — 10.6 per cent fewer than in 1962. The Commission's total hydro-electric production at 26.3 billion kilowatt-hours in 1963 showed a decrease of 5.7 per cent from the 1962 level, while total thermal-electric production, at 7.7 billion kilowatt-hours in 1963, showed a 111 per cent increase. This increase in thermal-electric production continues a trend which became pronounced in 1962. It emphasizes the vital role thermal-electric plants perform in meeting power requirements during periods of low river flows, particularly in the East System.

The capacity of the Commission's power resources was increased during 1963 by a net amount of 668,700 kilowatts, or 9.4 per cent, bringing the total December dependable peak capacity to 7,756,250 kilowatts. The major factors in the increase were the commissioning of two thermal-electric units — one at Lakeview Generating Station near Toronto, and the other at Thunder Bay Generating Station in Fort

POWER SUPPLY STATISTICS—1963

(Figures for 1962 and Per Cent Change in Italic Type)

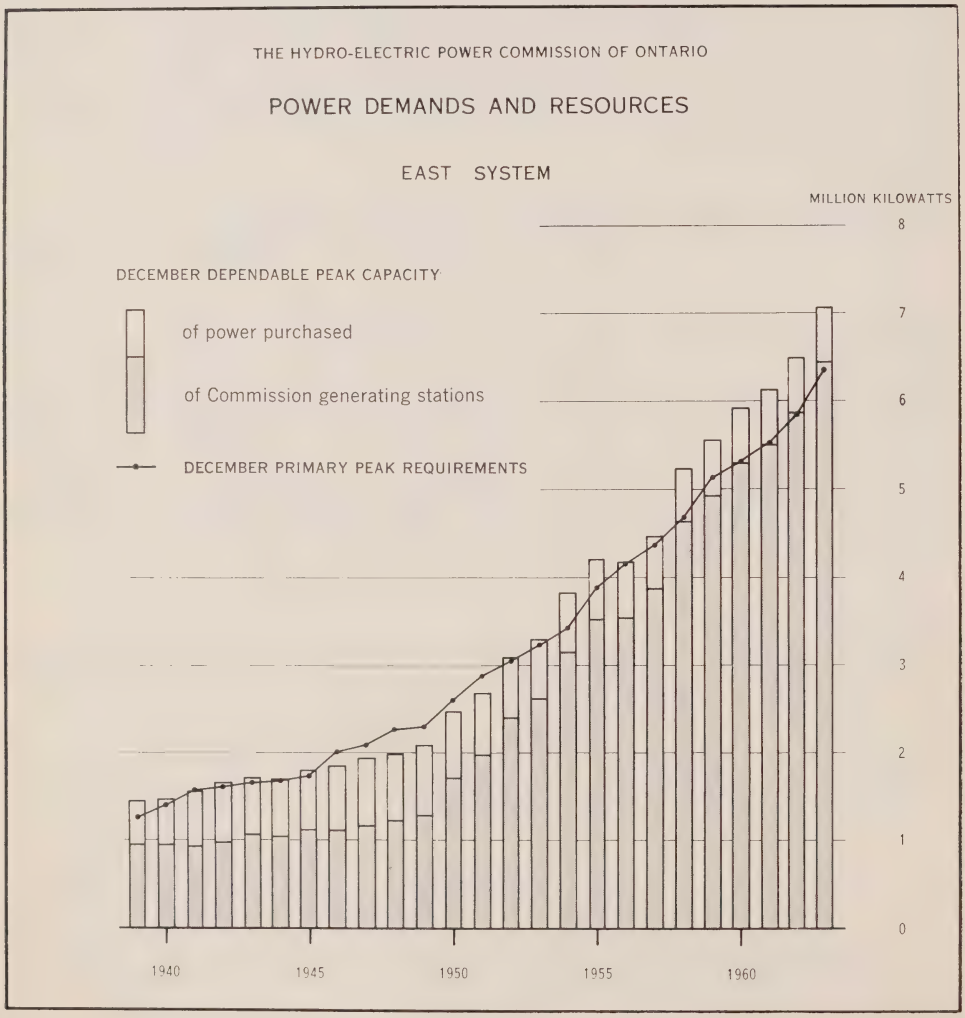
		East System	West System	Total
Resources				
Dependable peak capacity December	kw	7,069,750	686,500	7,756,250
	kw	*6,494,050*	*593,500*	*7,087,550*
		8.9%	*15.7%*	*9.4%*
Requirements				
PRIMARY				
Peak—Annual maximum	kw	6,351,426	445,480	6,796,906*
	kw	*5,857,241*	*435,710*	6,292,951*
		8.4%	*2.2%*	*8.0%*
Energy—Total annual	kwh	34,872,790,819	2,771,734,954	37,644,525,773
	kwh	*33,030,472,307*	*2,752,225,157*	*35,782,697,464*
		5.6%	*.7%*	*5.2%*
Loads				
PRIMARY AND SECONDARY				
Energy—Total annual	kwh	37,796,977,868	3,674,207,316	41,471,185,184
	kwh	*36,474,021,231*	*3,410,476,333*	*39,884,497,564*
		3.6%	*7.7%*	*4.0%*
PRIMARY ONLY				
Energy—For use in Ontario	kwh	34,517,095,353	2,771,734,954	37,288,830,307
	kwh	*32,736,694,707*	*2,752,225,157*	*35,488,919,864*
		5.4%	*.7%*	*5.1%*
—Total annual	kwh	34,872,790,819	2,771,734,954	37,644,525,773
	kwh	*33,030,430,007*	*2,752,225,157*	*35,782,655,164*
		5.6%	*.7%*	*5.2%*

*This annual maximum is the arithmetic sum of the December coincident peaks for each system.

William —, and the placing in service of four hydro-electric units — two additional at Otter Rapids Generating Station on the Abitibi River, and two at Little Long Generating Station on the Mattagami River. With the placing in service of the extra-high-voltage transmission line between Pinard Transformer Station near Abitibi Canyon Generating Station and Hanmer Transformer Station near Sudbury at 230 kv, the limitation which the former 115-kv facilities placed on the southward transmission of 60-cycle power from the Abitibi River stations was removed.

In 1963 as in 1962, the importance of the Commission's thermal-electric generating capacity, and the value of its interconnections with neighbouring power systems were increasingly apparent. Interconnections were used extensively for the purchase of thermal displacement power and energy.

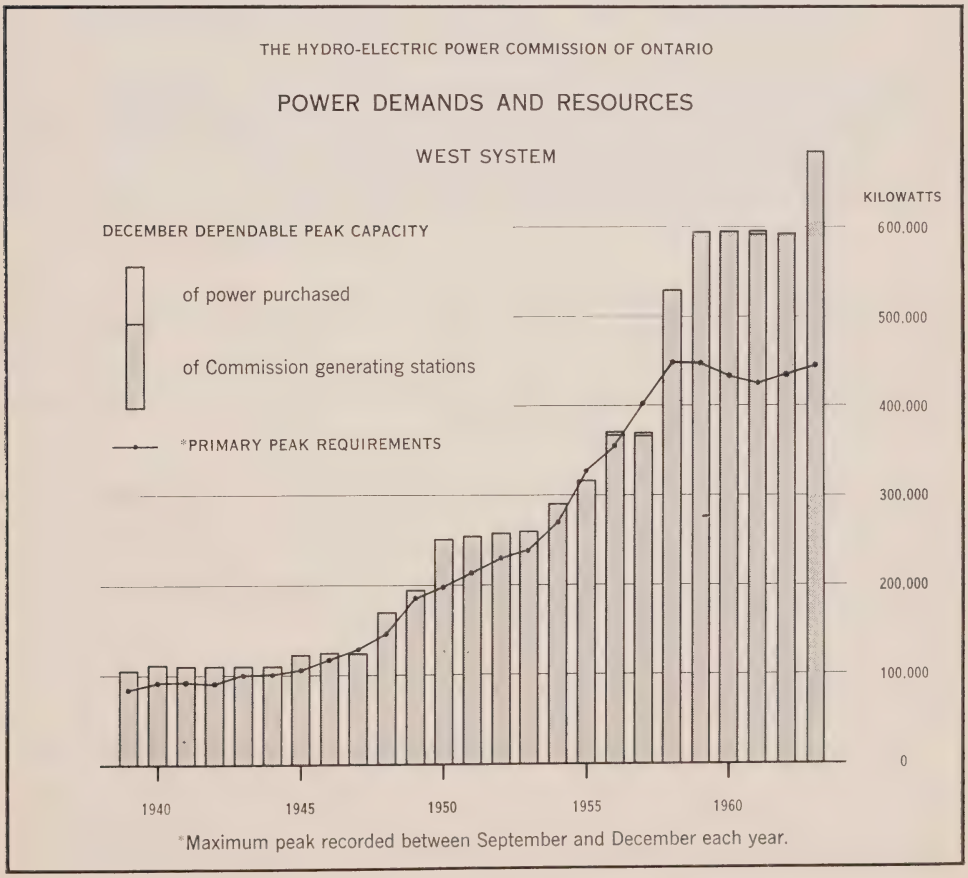
The Commission's Quebec suppliers on the Ottawa River watershed were also affected by prevailing low-water conditions, and energy deliveries were cut back

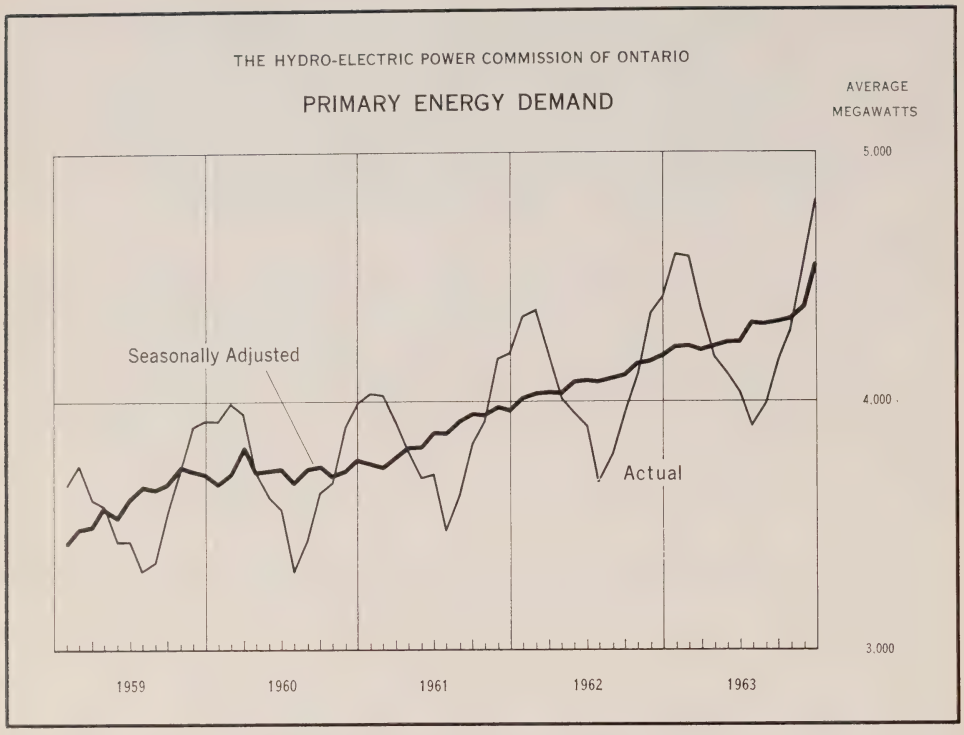


from the beginning of the year until the commencement of spring freshet. Delivery of energy by the MacLaren-Quebec Power Company was reduced again during the summer and fall to conserve water for use over the period of heavy requirements later in the year. From June to September the Quebec Hydro-Electric Commission supplied energy from its Beauharnois Generating Station to make up for reductions in energy deliveries under the Gatineau Power Company contract. In early December, it began delivering a block of additional energy, which continued to be available for the remainder of the winter.

The chart on page 3 indicates the extent to which the Commission's reliance on its thermal-electric resources has increased in recent years. During 1963, of the energy produced at the Commission's generating stations, almost 23 per cent was generated by thermal-electric units. In January when the flow of the Niagara River was substantially reduced because of ice conditions, and the energy available from the Ottawa River stations and from Quebec suppliers was curtailed, thermal-electric stations were required to supply 31.4 per cent of the energy generated by the Commission.

With the greatly expanded operation of thermal-electric resources, greater quantities of coal were required for delivery during the 1963 navigation season.





COMBINED SYSTEMS ENERGY DEMAND SEASONALLY ADJUSTED — The heavy black seasonally adjusted curve is a more readily interpreted and continuous indication of variation in the rate of growth than the actual curve, since the former is freed of the fluctuations associated with the seasons. The scale is a measure of energy demand per hour. The figure plotted for any month is the number of megawatt-hours (thousands of kilowatt-hours) divided by the number of hours in the month. It follows that any figure plotted, when multiplied by the number of hours in the year, would give the annual rate of energy demand at that point in time.

The total of the Commission's initial orders for delivery during 1963 was more than doubled during the year to 3.6 million tons. In spite of the difficulties in obtaining self-unloading vessels, and a variety of other problems affecting coal deliveries, all but 128,000 tons of this total was delivered to the Commission's docks before the end of the navigation season.

To ensure that increasing quantities of coal would be available at economical prices as required in the future, the Commission negotiated during 1963 with two major United States producers for the supply of up to 45 per cent of its requirements over the next five years. Following negotiations carried out in 1962, arrangements were made for the supply of large tonnages of Nova Scotia coal over a five-year period.

Nuclear Power Demonstration

The 20,000-kilowatt Nuclear Power Demonstration station near Rolphton, Ontario, which first supplied power to the Commission's East System on June 4, 1962, was operated on "capacity runs" between alternate "improvement-test periods" during 1963. During the capacity runs, the station is operated as a

production unit. During the improvement-test periods, alterations and modifications of equipment are carried out, new design concepts are incorporated, and tests are conducted to obtain both static and dynamic performance data. The average capacity factor achieved during the capacity runs was 78 per cent as compared with the design target of 80 per cent.

Plans have been prepared to achieve major cost reductions for heavy-water losses during 1964. A target capacity factor of 85 per cent has been set for the first four-month capacity run, and 90 per cent for the second capacity run in 1964.

In November 1963, after completion of additional development work and design modification that had been shown to be necessary by an earlier trial, an on-power refuelling of the reactor was successfully carried out. This was the first time an on-power refuelling operation had ever been carried out on a nuclear reactor under pressurized conditions.

Interconnections with Neighbouring Systems

The integration of power systems throughout North America was extended during the year. For a four-hour test period on January 6, 1963, with power systems in the United States in parallel from coast to coast for the first time, Ontario and British Columbia power systems were synchronized through their interconnections with the continent-wide United States grid.

On September 25, 1963 the major systems of the Commission and the Quebec Hydro-Electric Commission were electrically synchronized on an experimental basis and the interconnected systems became an integral part of the Canada-United States Eastern (CANUSE) interconnected group of power systems. The entire interconnected grid extending over the eastern half of the North American continent had a combined capacity of approximately 150 million kilowatts.

In March 1963, a second tie circuit was established with the Quebec Hydro-Electric Commission and the Northern Quebec Power Company when a short section of unused circuit between Kerr Addison Transformer Station and Provencher, Quebec was rehabilitated and placed in service for 25-cycle operation. The first circuit, formerly used for dual-frequency operation, then became the 60-cycle facility for normal conditions. A second 115-kv circuit thus became available between Kirkland Lake and Rouyn, Quebec, making possible a mutually profitable arrangement with the Quebec Commission for the accelerated drawdown of storage on the upper Ottawa River during the second half of March. Extra water thus reached stations on the lower reaches of the river prior to spring freshet in the south. The production of additional energy at these stations permitted reduction in the operation of thermal-electric units. The extra energy produced at Quebec stations on the upper Ottawa River was delivered to Ontario Hydro over the northern tie-line. This permitted water to be stored on the Abitibi River watershed where the spring freshet usually occurs some two weeks later than the freshet in the southern part of the province. In the first part of April, energy was returned to the Quebec Commission to the extent required by them to meet their load, the balance due them being retained in Ontario and purchased as economy energy.

MAINTENANCE OF THE SYSTEMS

Mechanical and General Maintenance

The condition of the 43-year-old Queenston-Chippawa Power Canal has been a source of concern for some years because of the gradual deterioration of its walls. Together with the larger and more recently constructed power canal and tunnels, it carries water diverted from the upper Niagara River to the Sir Adam Beck-Niagara Generating Stations.

Several minor earth slides had occurred, and echo soundings indicated that there were a number of accumulations of debris on the canal bottom which would appreciably restrict flows. In June 1963, as part of a program of studies undertaken to determine the extent of repairs required and to develop procedures for carrying them out, the control gate at Montrose was closed for a five-hour period. This permitted examination to be made of the sides and bottom of the canal along six miles of its length.

Studies indicated that rehabilitation of the canal should be carried out during 1964 while the continuing low flows expected on the Niagara River will reduce the need for using the canal.

An accumulation of silt which had begun to seriously restrict the flow of cooling water in the Richard L. Hearn Generating Station outfall channel was removed by dredging during 1963. The accumulation apparently had been formed, slowly at first and then more rapidly during the past two years when loads at the station increased, by the depositing further down stream of material scoured from the channel bottom by the action of cooling water at the point of discharge from the station. To prevent a recurrence of the restriction, heavy rock was placed in the channel bottom at the discharge point.

A turbine-bearing failure at the remotely controlled Silver Falls Generating Station in 1963 is attributed to a broken wicket-gate shear pin. This has led to a decision to install at a number of stations, in particular those remotely controlled, an alarm device that will indicate shear pin failure. The device can be installed at a fraction of the cost of possible bearing repairs.

Electrical Maintenance

During 1963, revised routines with particular emphasis on work efficiency were developed and applied to a number of frequently required electrical maintenance operations such as oil circuit-breaker and tap-changer overhauls. Standard times were established for the performance of these operations. Cost reductions were achieved through the continued application of techniques and tools developed in previous years to permit major maintenance operations on large transformers to be carried out in the field.

During recent winter seasons, the high-pressure air systems associated with air-blast circuit-breakers have developed a large number of leaks caused by contractions when temperatures have fallen to —10° F or lower. The leaks are difficult to trace since they most frequently occur at night and disappear as the temperature rises during the day. In order to remedy the trouble, air-compressor and air-storage capacities have been increased, and the pipe connections most subject to leaking have been replaced by new connections which have been tested as leak-proof at temperatures down to —40° F.

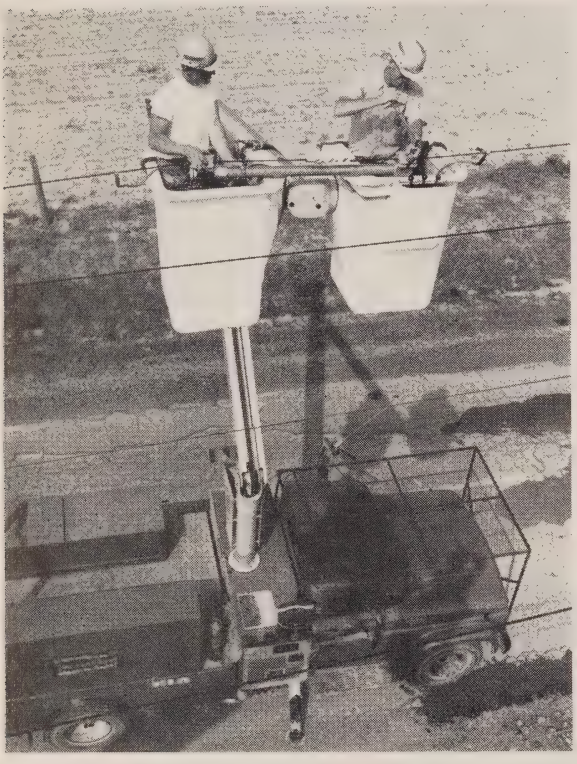
Line Maintenance

Lightning and switching surges have been found to be the cause of frequent damage to sheath insulators in the joints on high-voltage underground cables. After extensive research into the experience of other organizations and tests to determine the magnitude of surges, the Commission made a trial installation of distribution-type lightning arresters to protect the sheath insulators on the 115-kv underground circuits between Richard L. Hearn Generating Station and Toronto-Main Transformer Station. Since this installation proved effective, similar units, now being specially designed for the purpose, are to be installed on other underground circuits.

The Commission and the American Electric Power Service Corporation carried out joint studies during 1963 for the correlation of data obtained independently

SHOAL REMOVAL IN THE NIAGARA RIVER — In 1963, further excavation was carried out in the Niagara River to remove a shoal which had been found to restrict the passage of ice during the winter months. The shoal is partly exposed inside the area enclosed by the cofferdam. The work, carried out by Commission forces, was completed and the cofferdam was removed before the beginning of winter.

by the two organizations in tests conducted to determine permissible clearances between linemen and the live extra-high-voltage lines on which they are working with live-line tools. The Commission's tests were conducted at 500 kv and the Corporation's at 345 kv. The joint studies showed that the difference between permissible clearances established for various voltages by the two organizations were due to the different arrangement of circuits and structures used. The studies also showed that at 345 kv the electrostatic stress in which a lineman works is less for bare-hand work carried out from an insulated aerial lift than for routine live-line work performed with live-line tools.



LIVE-LINE WORK WITH BARE HANDS — Working in insulated buckets supported by a non-conducting boom that isolates them from the ground, these linemen are replacing joints on a live 27.6-kv line. The method is being used on lines of up to 44 kv, and it may be extended to lines of up to 500 kv as the development of improved equipment raises operating safety levels.

During the year approximately 11,800 wood poles that were no longer strong enough to ensure reliable service on the transmission, distribution, and communications networks were removed and replaced. About 6,000 wood poles were treated with an experimental gelled penta-chlorophenol-borax ground-line preservative. The new material is expected to remain effective long enough to permit the period between ground-line treatments to be doubled.

As part of the regular steel-tower maintenance program, 643 older towers on which the original galvanizing had failed were cleaned and painted. The great majority of these were painted with the new zinc-rich coatings which do not require a priming coat and are expected to have a much longer life than the black graphite and aluminum paints used extensively in the past.

The Commission's fleet of ten helicopters logged a total of 5,404 flying hours during 1963. Slightly more than half of this time was spent on brush spraying, survey, engineering, and line construction work. The balance was spent on transmission line inspection patrols, which covered in total approximately 132,000 circuit-miles.

Forestry

During 1963, the introduction of a number of innovations in forestry methods and the extension of procedures introduced in previous years permitted the Commission's program of brush control and tree clearing along transmission and distribution lines to be carried out with increased efficiency.

In spraying by helicopter for the control of brush, crews used a thicker herbicide recently developed by the Commission. The larger spray droplets of the new liquid have less tendency to drift, and spraying operations can be carried out without damage to vegetation bordering rights of way in crosswinds of up to 6 to 9 miles per hour as compared with the maximum of 3 miles per hour with the material previously in use. Helicopter spraying time, formerly confined to periods of two to four hours per day, can now be increased to as much as ten hours per day with consequent reduction in machine and labour costs per acre sprayed.

A number of techniques introduced in previous years were applied on a wider scale during 1963 in brush spraying from ground level. These included the use on spray-rigs of three spray-guns instead of two, the pre-mixing of water and chemicals in supply vehicles, the topping up of sprayers while they are in operation, and the use of automatic hose reels and booms, portable water supply, larger supply vehicles, and portable crew accommodation pulled by muskeg tractor.

The forestry staff have increased the number of aerial buckets in use to five. A two-man crew using equipment of this type can perform work equivalent to that of three men working under conventional tree-climbing conditions.

The lineman is using a high-pressure stream of water to remove dust and pollution from insulators. Power leaking across dirty surfaces at times damages the insulators on high-voltage lines and causes pole fires on low-voltage lines. In some highly industrialized areas it is necessary to wash insulators as often as six times a year.

During the year, approximately 40,000 acres of brush were sprayed with herbicide. The repeated application of herbicide leaves rights of way with a cover of low-growing shrubs and grass, which is much better than brush cover in the maintenance of the water table. Improvement of this kind is highly desirable under present water-table conditions, which are causing grave concern.

During 1963, tree pruning and tree removal were carried out in order to provide clearance along some 14,000 miles of line, some of this work being on behalf of the municipal electrical utilities. Among the trees that had to be removed were upwards of 44,000 elms attacked by Dutch elm disease. Estimates indicate that costs to the Commission arising from the high incidence of this disease are in the vicinity of $300,000 per annum. As part of the Commission's continuing resource conservation program, a total of 67,450 seedlings were planted on properties in the Eastern, Niagara, Northeastern, and Northwestern Regions.

SECTION II

FINANCE

THE Balance Sheet and the Statement of Operations are included in this section of the Report, together with the Summary of the Allocation of the Cost of Primary Power to the various classes of customers served by the Commission. Appendix II, beginning on page 95, contains a number of supporting statements and schedules, including a detailed statement of the allocation of the cost of primary power which itemizes for each municipality its share of the total costs, the amount billed under its interim rate, and the resulting refund or charge. Financial information for each municipal electrical utility is reported in the municipal service supplement at the end of the Report.

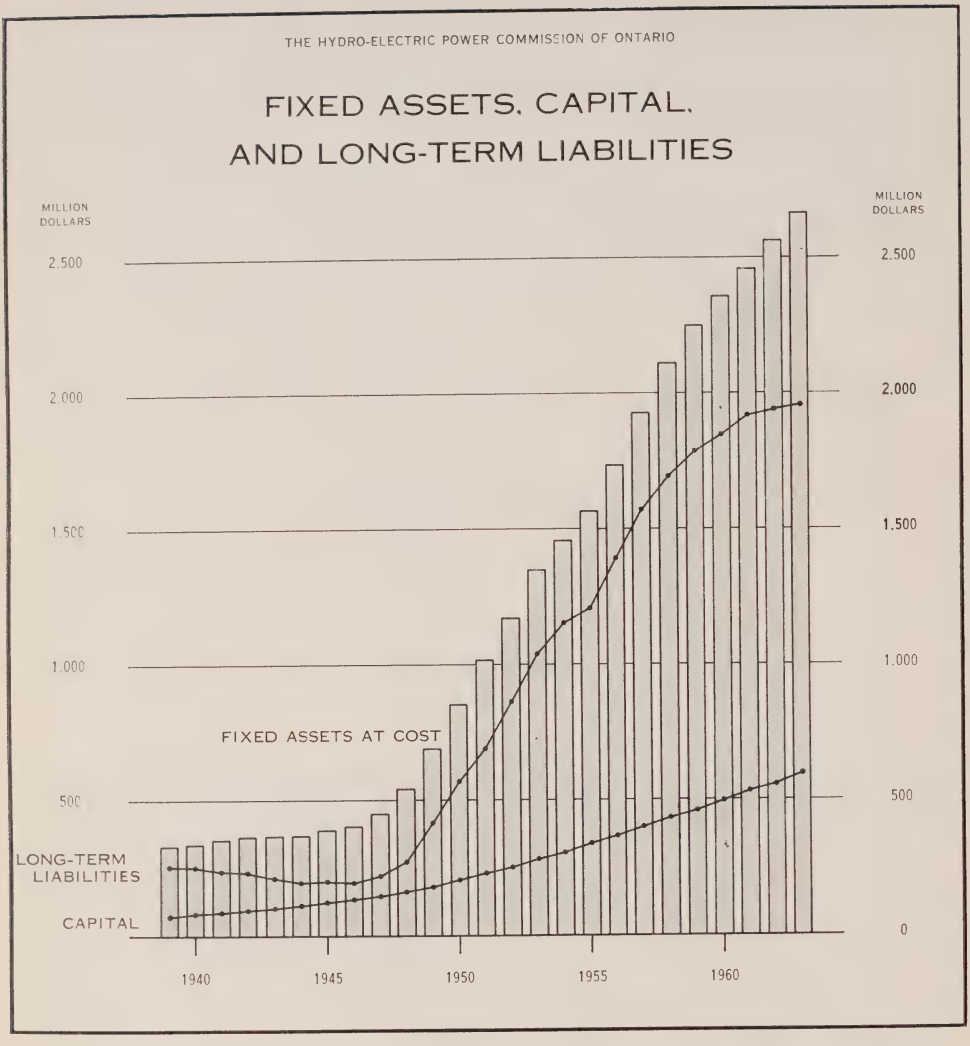
The statement showing the assets of the pension and savings and insurance funds is set out separately on page 84.

Customer categories used in the Report are defined as follows:

MUNICIPALITIES — municipal electrical utilities supplied with power at cost for resale to their customers.

DIRECT CUSTOMERS — customers, for the most part industrial, served directly by the Commission.

RETAIL CUSTOMERS — customers served by Commission-owned distribution facilities in rural areas, and in towns and villages which have no muncipally owned electrical utility.



Financial Position

Fixed assets less accumulated depreciation amounted to $2,298,719,351 at December 31, 1963, and were $67,564,767 larger than at the end of 1962. Gross expenditures of $108,156,593 on fixed assets during the year included outlays on new generating facilities particularly at Lakeview Generating Station and at hydro-electric generating stations on the Mattagami River, and, in addition, outlays on transformer stations, transmission lines, and retail distribution plant and equipment. Of the $18,073,006 expended during 1963 on retail distribution facilities, the Province of Ontario contributed $824,478 to assist in the construction of rural facilities in Northern Ontario.

Long-term liabilities amounted to $1,958,814,358 at December 31, 1963, reflecting a net increase of $21,003,082 during the year. New borrowings amounted to $120,190,400.

The balance in the Reserve for Stabilization of Rates and Contingencies amounted to $139,068,625 at the end of 1963, down $11,448,651 from the balance at the end of 1962. This reserve has been established to absorb the effects on cost of variations in stream flows, the possibility of loads falling short of levels forecast when generating facilities were planned, major physical damage to or premature retirement of plant and equipment, exchange risk on debt payable in United States funds, and other contingencies arising in the operations of the Commission. It is not used to offset normal increases in cost.

Equities accumulated through sinking fund provisions and interest increased by $38,329,276 during 1963 to an accumulated amount of $476,645,189 at the year end. Of the amount provided, $27,407,728 were used to retire bonds and to repay provincial advances.

The following schedule shows the sources of funds during 1963, the uses made of the funds, and the resulting net decrease in working capital:

STATEMENT OF SOURCE AND APPLICATION OF FUNDS

for the Year Ended December 31, 1963

		$ *'000 omitted*
FUNDS PROVIDED:		
From operations —		
Net charges to cost of power not requiring an outlay of cash:		
Interest added to reserves less interest allocated to frequency standardization account	14,689	
Provisions for depreciation and sinking fund	62,997	
Amortization of frequency standardization cost	18,257	
Withdrawals from the reserve for stabilization of rates and contingencies	*20,934*	
Other items	2,303	
	77,312	
Excess of direct and retail customers' revenues over costs	3,305	80,617
From issues of $120.2 million of bonds, net of discount and bond issue expense		117,179
Miscellaneous		1,381
		199,177
FUNDS APPLIED:		
Expenditures on fixed assets $108.2 million, less proceeds from sales, etc.		106,747
Retirement of Commission bonds and repayment of Provincial advances		99,181
Purchases of general and sinking fund investments, less proceeds from sales and maturities		8,880
		214,808
NET DECREASE IN WORKING CAPITAL		15,631

Operating Results

The Statement of Operations shows the results for 1963 with comparative figures for the previous year. The accompanying Summary of the Allocation of the Cost of Primary Power shows the 1963 allocation of the cost and the amounts billed to each class of customer.

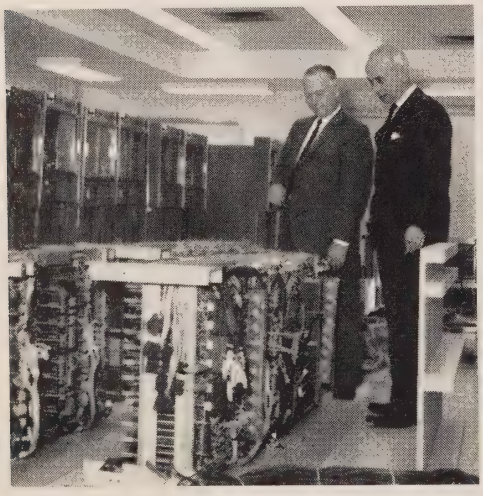
Revenues

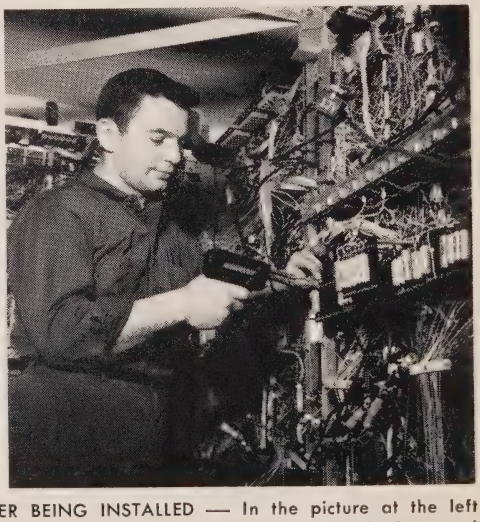
Revenues from the sale of primary power, after refunds of $1,705,444 to municipalities to adjust interim revenue to actual cost amounted to $269,533,286, exceeding by $20,191,101, or 8.1 per cent, the revenues for the previous year. This increase resulted primarily from higher peak loads and energy consumption, and to a lesser extent from increases in rates over those in effect during 1962.

Revenue from municipalities increased by $13,844,602, or 10.0 per cent over that for 1962. A slight decrease in revenue from direct customers was due mainly to the reclassification of certain customers to the retail customer category. Revenue from retail customers rose by $6,846,556, or 11.2 per cent over the corresponding revenue for the previous year.

Costs

Costs before reserve withdrawals amounted to $287,161,883, and were $23,412,848 or 8.9 per cent greater than comparable 1962 costs. The continued growth in energy requirements of the Commission's customers, coupled with the continuance of below-normal stream-flows in southern and northeastern Ontario required the more extensive use of thermal-electric generating facilities, with the result that fuel costs rose by $13,059,016 to $26,516,929. Other factors contributing to higher 1963 costs were increased interest expense of $4,501,667 resulting mainly from the issue of bonds in 1962 and 1963, and an increase of $2,298,925 in depreciation and sinking fund provisions as a result of the commissioning of new facilities.





SECOND UNIVAC II DATA PROCESSING COMPUTER BEING INSTALLED — In the picture at the left inspection is made of a maze of wires and tubing that is to become part of the Commission's second Univac II computer. At the right, a technician is engaged in the intricate work of installation.

Withdrawals of $20,933,540 were made from the Reserve for Stabilization of Rates and Contingencies, representing an increase of $4,383,015 over those in the preceding year. The withdrawals were made principally to stabilize abnormal costs resulting from below-normal stream-flows, and to a lesser extent to offset the effect on unit costs of loads failing to materialize as forecast. After the withdrawals, the cost of primary power allocated to customers amounted to $266,228,343, which is up by $19,029,833, or 7.7 per cent over allocated cost in 1962.

Data Processing

The decision had been taken in 1962 to purchase the previously leased Univac II equipment, and take advantage of a favourable opportunity to purchase a second Univac II computer which was installed in mid 1963. The required additional capacity was thus economically obtained, and with a minimum disruption of established programs. Both machines were modified by the provision of double their former memory capacity, and one by the addition of float-point arithmetic.

With a view to improving automatic programming techniques already in use, a COBOL (Common Business Oriented Language) compiler was produced in collaboration with the manufacturer of the equipment, and an ALGOL (Algorithm Language) compiler is being developed for implementation in 1964 for application to engineering and scientific problems. The use of these two internationally accepted languages, while offering immediate benefit through more efficient programming, will also make for increased flexibility in the use of more powerful computers whenever their introduction may be required.

THE HYDRO-ELECTRIC POWER

BALANCE SHEET AS AT

(with comparative figures

ASSETS

	1963	1962
	$	$
FIXED ASSETS AT COST:		
In service	2,572,296,159	2,391,709,781
Under construction	92,646,527	175,304,855
	2,664,942,686	2,567,014,636
Less accumulated depreciation	366,223,335	335,860,052
	2,298,719,351	2,231,154,584
FREQUENCY STANDARDIZATION:		
Cost to be written off in future years	159,497,539	171,298,933
CURRENT ASSETS:		
Cash	7,536,955	35,503,269
Temporary investments in government and government-guaranteed securities, at market value	5,750,000	2,000,000
Accounts receivable	39,882,072	35,399,600
Coal at cost	19,985,126	13,878,716
Tools and equipment at cost less depreciation	12,209,994	12,787,759
Other materials and supplies at cost	11,258,148	11,299,129
	96,622,295	110,868,473
DEFERRED CHARGES AND OTHER ASSETS:		
Debenture discount and expense less amounts written off	19,839,464	19,473,970
Deferred work orders and other assets	3,642,486	4,126,180
Long-term accounts receivable	3,575,784	3,295,460
Customers' securities on deposit	1,899,212	1,757,712
	28,956,946	28,653,322
INVESTMENTS:		
Investments at amortized cost—approximate market value $164,960,000 (1962—$155,785,000)—		
Reserve for stabilization of rates and contingencies	140,212,307	142,438,637
Sinking fund	25,594,667	14,601,740
Employer's liability insurance fund	3,215,929	3,211,147
	169,022,903	160,251,524
	2,752,819,034	2,702,226,836

Auditors' Report

We have examined the balance sheet of The Hydro-Electric Power Commission of Ontario as at December 31, 1963 and the statement of operations for the year ended on that date. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying balance sheet and statement of operations present fairly the financial position of the Commission as at December 31, 1963 and the results of its operations for the year ended on that date.

CLARKSON, GORDON & CO.
Chartered Accountants.

Toronto, Canada,
May 15, 1964.

COMMISSION OF ONTARIO

DECEMBER 31, 1963

as at December 31, 1962)

LIABILITIES, RESERVE, AND CAPITAL

	1963	1962
	$	$
LONG-TERM LIABILITIES:		
Funded debt	1,949,245,300	1,926,784,000
Advances from the Province of Ontario	10,685,726	12,205,190
Total at par of exchange, including $80,639,569 maturing in 1964	1,959,931,026	1,938,989,190
Less exchange discount (net) incurred on $349,987,726 payable in United States funds	1,116,668	1,177,914
	1,958,814,358	1,937,811,276
CURRENT LIABILITIES:		
Interest accrued on long-term liabilities	26,611,598	26,496,713
Accounts payable and accrued charges	26,136,826	24,867,388
	52,748,424	51,364,101
DEFERRED LIABILITIES:		
Customers' deposits	4,707,501	4,264,928
Employer's liability insurance fund	3,171,367	3,114,250
	7,878,868	7,379,178
RESERVE FOR STABILIZATION OF RATES AND CONTINGENCIES	139,068,625	150,517,276
CONTRIBUTED CAPITAL:		
Equities accumulated through sinking fund provisions and interest	476,645,189	438,315,913
Province of Ontario, assistance for rural construction	117,663,570	116,839,092
	594,308,759	555,155,005
	2,752,819,034	2,702,226,836

NOTE

Commitments under uncompleted contracts for the construction of fixed assets are approximately $43,000,000.

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

STATEMENT OF OPERATIONS

for the Year Ended December 31, 1963

(with comparative figures for 1962)

	1963	1962
	$	$
COST OF PRIMARY POWER:		
Operating, maintenance, and administrative expenses	85,861,325	83,019,097
Power purchased	14,929,753	14,779,304
Fuel used for electric generation	26,516,929	13,457,913
	127,308,007	111,256,314
Interest (Note)	83,459,300	78,957,633
Depreciation	37,689,579	36,250,652
Sinking fund provision—contribution to capital	23,470,227	22,610,229
Amortization of frequency standardization cost	18,257,158	17,848,757
Sales of secondary energy	*3,022,388*	*3,174,550*
Total, before reserve withdrawals	287,161,883	263,749,035
Withdrawals from the reserve for stabilization of rates and contingencies	*20,933,540*	*16,550,525*
Cost of primary power allocated to customers	266,228,343	247,198,510
AMOUNTS BILLED FOR PRIMARY POWER:		
Municipalities (at interim rates)	154,480,457	141,110,609
Direct customers	48,520,247	49,020,304
Retail customers	68,238,026	61,391,470
Total	271,238,730	251,522,383
EXCESS OF AMOUNTS BILLED OVER COST	5,010,387	4,323,873
Credited to Municipalities	1,705,444	2,180,198
Transferred to reserve for stabilization of rates and contingencies	3,304,943	2,143,675
	5,010,387	4,323,873

NOTE

Interest cost includes interest on long-term liabilities, reserve, and sinking fund, less interest capitalized and interest earned on investments.

THE HYDRO ELECTRIC POWER COMMISSION OF ONTARIO

SUMMARY OF THE ALLOCATION OF THE COST OF PRIMARY POWER

for the Year Ended December 31, 1963

	Municipalities (Note 1)	Direct Customers		Retail Customers	Total
		Within Municipalities	Outside Municipalities		
Primary Power and Energy Supplied during Year:					
Average of 12 monthly peaks in kilowatts	3,821,686.9	404,355.6	829,702.6	734,925.6	5,790,670.7
Total energy in megawatt-hours	22,372,244.1	2,951,014.6	5,754,004.1	3,908,226.0	34,985,488.8
	$	$	$	$	$
Cost of Primary Power:					
Cost excluding items shown below	155,508,823	16,730,373	34,257,279	66,855,670	273,352,145
Frequency standardization assessments (Note 2)	14,588,049	393,161	916,550	1,725,919	17,623,679
Credits resulting from matured sinking fund	*3,476,660*	*290,114*	*7,519*	*39,648*	*3,813,941*
Total, before reserve withdrawals	166,620,212	16,833,420	35,166,310	68,541,941	287,161,883
Withdrawals from the reserve for stabilization of rates and contingencies (Note 3)	*13,845,199*	*1,455,680*	*2,986,929*	*2,645,732*	*20,933,540*
Cost of primary power allocated to customers	152,775,013	15,377,740	32,179,381	65,896,209	266,228,343
Amounts Billed for Primary Power	154,480,457	15,378,745	33,141,502	68,238,026	271,238,730
Excess of Amounts Billed over Cost:					
Credited to Municipalities	1,705,444	.....	.....	.....	1,705,444
Transferred to reserve for stabilization of rates and contingencies	.....	1,005	962,121	2,341,817	3,304,943

Notes

1. The cost of primary power allocated to individual municipalities is shown on pages 106 to 123.
2. The frequency standardization assessments shown above comprise charges to certain customers based on the average of their 12 monthly peaks as follows:

$5.00 per kilowatt to all 60-cycle customers in the standardized area of the former Southern Ontario System	$16,697,630
$1.25 per kilowatt to direct and retail customers in the former Northern Ontario Properties	926,049
	17,623,679
In addition an amount equal to the net revenue on the export of 60-cycle secondary energy from the former Southern Ontario System has been appropriated as in prior years for the amortization of frequency standardization costs	633,479
Total amortization as shown in the Statement of Operations	$18,257,158

3. Withdrawals from the reserve for stabilization of rates have been computed on the basis of the average of the 12 monthly peaks and applied to reduce costs at the following rates:

$3.60 per kilowatt to all customers	$20,846,415
$1.00 per kilowatt to municipalities formerly served by the Thunder Bay System and charged to that portion of the reserve held specifically for their benefit	87,125
	$20,933,540

4. The cost of primary power allocated to retail customers totalling $65,896,209 includes retail distribution costs of $33,751,594.

SECTION III

MARKETING AND THE COMMISSION'S CUSTOMERS

THE Commission's customers, in addition to the associated municipal electrical utilities, include a number of direct customers, for the most part industrial, and retail customers in rural areas and in 28 communities where there are no municipally owned electrical utilities. The Commission's retail customers numbered 543,675 at the end of 1963, at which time the total number of customers served by the Commission and the associated municipal electrical utilities was 2,041,732.

Load Building

Good results are evident in the load-building program, particularly in the growing popularity of electric heating. Success in this area and in the growth of the electric water-heating load is due in part to the response by the municipal electrical utilities to keen competition from other sources of energy. Credit is also due to the co-operation of the electrical-manufacturing industry and of contractors engaged in construction. It is generally recognized that a satisfied customer is the best advertisement. Utilities, manufacturers, and contractors have therefore sought to ensure satisfaction by having equipment and installations conform to the prescribed standard. Through the work of the Electric Heating Association, this objective is being achieved. Nearly 850 electrical contractors have now received training in the proper installation of electric heating.

Two other important contributing factors to the effectiveness of the load-building program were the strongly supported advertising which conditioned the market to acceptance of electric heating, and rate research which established the appropriateness of rate reduction to promote sales and lower unit costs.

More than 3,500 all-electric homes were added to the Commission's systems in 1963, and approximately 5,000 are expected to be added in 1964.

Perhaps the most encouraging advance in the fulfilment of long-range plans was the growing success in the mass housing market. With the new and growing interest in electric heat on the part of manufacturers, building contractors, and installers of heating equipment, there were five major all-electric subdivisions in operation at the end of 1963, and several others were under negotiation for development in 1964.

GOOD LIGHTING IS SAFE LIGHTING — Responsible administrators in education are convinced of the importance of adequate lighting, not only as contributing to sight-saving and effective study in the classroom, but also as promoting relaxation and safety in the recreation areas. The excellent lighting conditions shown above result from the strict observance of Illuminating Engineering Society standards and the careful selection of fixtures which will produce the most desirable effect.

In the past year, commercial and industrial applications of electric heating included approximately 50 schools, 85 motels, and 20 apartment buildings having about 1,000 suites, all of which were completed during the year. An additional 35 buildings with approximately 3,000 suites were under construction at the end of the year. In all, installations with a total installed load of 42,500 kilowatts of electric heating were made in 1963. Several electric heating installations are using heat storage systems, particularly where the load pattern shows high requirements over only fairly brief or intermittent periods.

In 1963, service was first provided to a large all-electric newspaper publishing plant in Toronto and to an all-electric outdoor theatre just east of Metropolitan Toronto. These services were the first of their kind among the Commission's customers.

The importance of electric water-heating can hardly be over-emphasized since 35 per cent of residential revenue of the Commission and the municipal utilities is derived from the water-heating load. For some years, the wide range of size and

CASCADE 40 WATER HEATER — This fast-recovery electric water heater provides the abundance of hot water required in modern homes. "Cascade 40" is the symbol applied to water heaters produced by leading manufacturers to meet a high standard of performance developed through combined research by the Commission, the Canadian Electrical Association, and the Canadian Electrical Manufacturers Association. The heaters have a tank capacity of 40 gallons, with a 3,000-watt upper element for fast recovery, and a 1,000-watt lower element interconnected through a flip-flop control. The symbol "Cascade 40" is a guarantee of the quality and performance of the units.

ratings in electric water-heaters has been a handicap both to manufacturers and to merchandisers in achieving the maximum of economy in production and the greatest customer satisfaction in performance. Rate structures that encouraged the installation of low-wattage heating units had further unfavorable effects. The introduction of a new metered water-heater rate in 1962 prepared the way for widespread acceptance of the high-wattage Cascade 40 heater in 1963. This high-performance unit, providing excellent service for almost all residential customers, and regarded as a standard throughout the industry, has enabled manufacturers to economize in their production and has permitted a combination of more effective advertising with simplification in merchandising, and has resulted in a major improvement in customer acceptance. Commission and municipal utility installations of water heaters, for the most part Cascade 40 units, increased by 10 per cent over those in 1962. It is of interest to note greatly increased participation in this work by authorized dealer contractors, an indication of how standardization has facilitated dealer co-operation in merchandising.

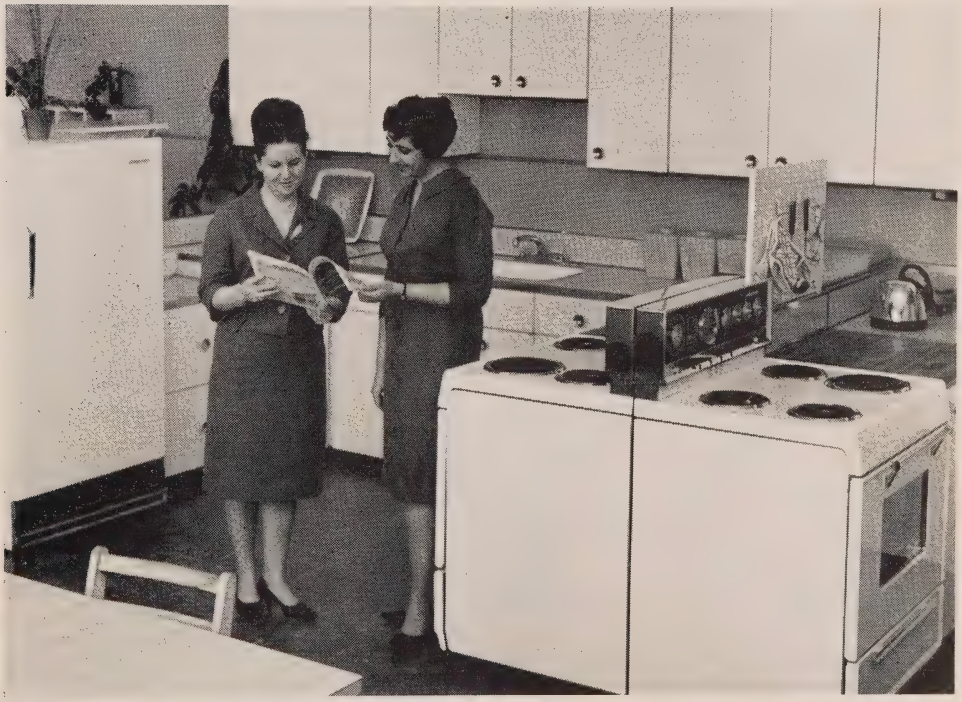
Commercial water heating also contributed significantly to the addition of desirable load in 1963, as well as commercial cooking and lighting. A commercial

and industrial lighting course was presented to eleven groups during the year. Members of the Commission's staff, in addition to providing guidance and assistance to customers in their lighting problems, undertook intensive sales programs for improved commercial lighting in six municipalities during the year.

Other specialized programs directed towards load building included a revised and expanded home economics classroom equipment project, feature promotions like the 1963 special refrigerator-freezer campaign, the establishment of electric-heat information centres, displays and visits by the Hydro demonstration coach at fairs and exhibitions, and numerous well-attended presentations of "Showtime" and "Quick Tricks" by Ontario Hydro's home economists.

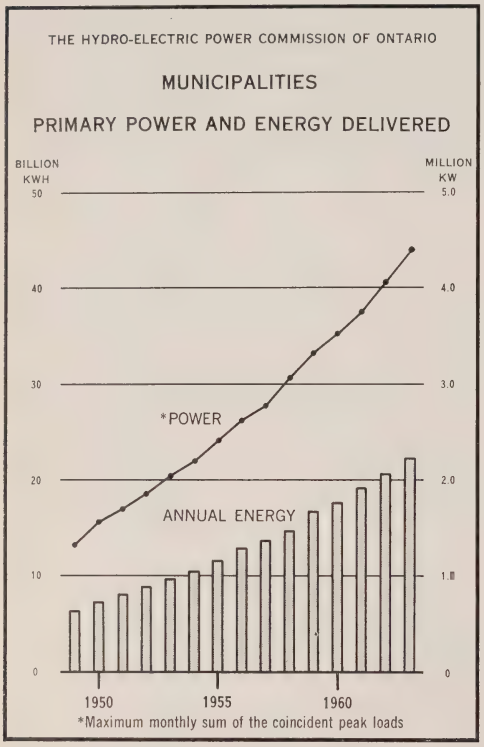
MUNICIPALITIES

The number of municipalities served under cost contracts with the Commission was unchanged from the 1962 total of 354. The amalgamation of Stamford Township with the City of Niagara Falls, which would have resulted in a



THE HOME ECONOMICS CLASSROOM EQUIPMENT PROGRAM — Under a co-operative arrangement with Boards of Education and the manufacturers of major electrical household appliances, the Commission co-ordinates an electrical utility program for the provision of the most up-to-date major electrical appliances for home economics classrooms throughout the province. Home-makers of the future thus become well acquainted with the operation, convenience, and advantages of electrical appliances in the home.

decline of one, was offset by the addition of the Village of Belmont, which became a cost-contract municipality, effective July 1, 1963. Belmont was formerly served by the Commission's rural distribution facilities. Though the Township of Chapleau, served under a fixed-rate contract, continues to be regarded for statistical purposes as a direct customer, the financial statements applicable to this utility's operations are included in Statements "A" and "B", which bring together the balance sheets and statements of operations of 355 municipal electrical utilities. Rate schedules and statistics relative to residential, commercial, and industrial power service in these utilities, as well as in the 28 towns and villages served by Commission-owned distribution facilities, are presented in Statements "C" and "D" beginning on page 199.

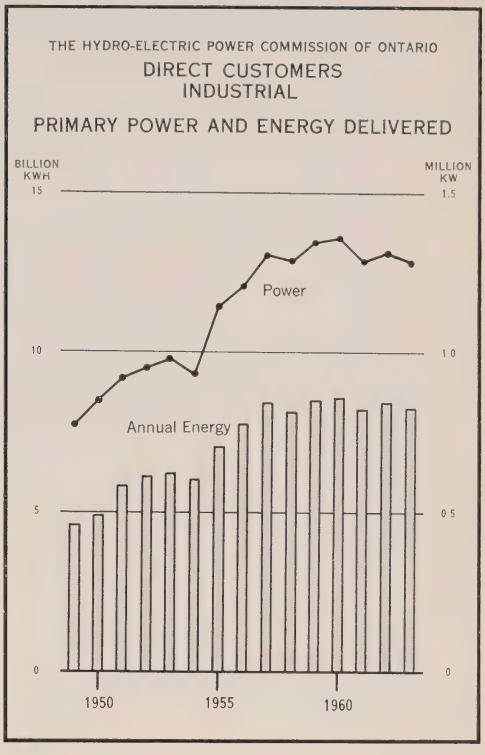


The cost-contract municipal electrical utilities are billed at an interim rate per kilowatt of peak load. The monthly peak load for a utility is the maximum average demand over a period of twenty consecutive minutes in the month. As the system peak load usually occurs in December, the peak loads for that month are given in Statement "D". The sum of these loads for the cost-contract municipalities in 1963 was 4,393,647 kilowatts as compared with 4,078,476 kilowatts in 1962, reflecting a 7.7 per cent increase in power requirements. The corresponding energy delivered to the municipalities during the year at 22,372,243,821 kilowatt-hours exceeded the 20,728,833,947 kilowatt-hours delivered in 1962 by 7.9 per cent.

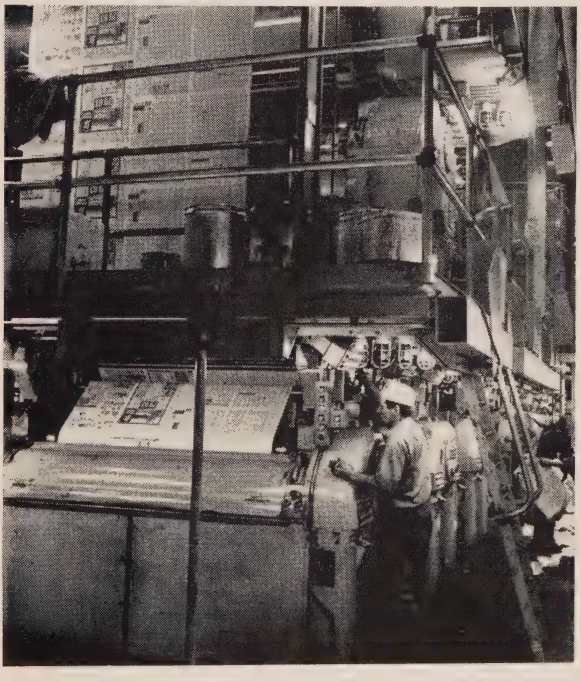
DIRECT CUSTOMERS

The Commission's direct customers at the end of 1963 included, among others, 79 mines, 19 pulp and paper companies, and 59 companies engaged in basic or secondary manufacturing. The revenue received from direct customers shown in the Financial Statement of Operations includes revenue received from 14 utilities having contracts for the supply or interchange of power, and from the Township of

Chapleau, served under a fixed-rate contract. Since neither the interconnected utilities nor this municipal utility can be classed as industrial customers in the generally accepted sense, they are not included in the table of Power and Energy Supplied to Direct Industrial Customers, or in the chart on this page.



The sum of the primary peak loads of the 185 industrial customers alone reached a monthly maximum of 1,283,388 kilowatts in September 1963, falling short of the revised March 1962 peak of 1,306,092 kilowatts by 1.7 per cent. The annual energy delivered and the average of the monthly peak loads are shown for 1963 and 1962 in the accompanying table.



THE PRESSES ROLL ON ELECTRIC POWER — Light, heat, and power are all electrically provided in the press room of Toronto's first all-electric newspaper plant.

Five of the eleven major classes of customers contributed to the 1.2 per cent decline in primary energy sales to industrial customers. The sharpest falling off was in the steel and electrometallurgical group which, throughout the Province in general however, was operating at a high capacity level. It should be pointed out, therefore, that the decline is more indicative of fluctuations in experimental and certain volatile loads of the electrometallurgical industry. This decline was more than sufficient to offset the entire gain in the six other main categories of customers. The sharpest rates of gain were registered by the silver and cobalt segment of the

Primary Power and Energy Supplied to Direct Industrial Customers, by Types of Industry

Type of Industry	Average of the Monthly Peak Loads		Annual Energy Delivered		
	1962	1963	1962	1963	Increase or *Decrease*
	kw	kw	kwh	kwh	per cent
Pulp and Paper	358,787	351,099	2,368,125,533	2,348,510,350	*0.8*
Mining:					
(a) Gold	87,284	85,809	578,445,895	570,325,156	*1.4*
(b) Silver and Cobalt	4,468	5,581	21,879,817	28,749,406	31.4
(c) Base Metals	189,323	196,626	1,363,189,944	1,397,345,355	2.5
(d) Uranium	53,244	49,487	343,312,095	329,242,523	*4.1*
(e) Non-Metals	7,085	6,421	36,878,792	34,223,742	*7.2*
Quarrying, Cement, and Basic Building Materials	40,801	37,948	211,312,257	201,001,220	*4.9*
Steel and Electrometallurgical	153,951	139,424	870,626,996	735,773,334	*15.5*
Abrasives	68,989	69,848	537,276,127	525,021,745	*2.3*
Chemical, Electrochemical, and Cyanamid	206,371	207,926	1,533,135,431	1,568,791,053	2.3
Grain Elevators and Milling	5,050	5,048	16,492,291	17,033,067	3.3
Transportation Services and Communications	7,877	9,058	37,335,297	46,397,947	24.3
Government Services and Institutions	32,027	37,556	169,582,844	179,518,036	5.9
General Manufacturing	49,953	49,727	244,575,719	246,219,429	0.7
Miscellaneous	9,741	9,497	45,005,274	49,369,850	9.7
Total	1,274,951	1,261,055	8,377,174,312	8,277,522,213	*1.2*

mining industry, closely followed by transportation services and communications. Base metal mining, reversing a trend of the past three years, showed an increase in energy consumption sufficient to re-establish the mining group in their traditional place as the largest consumers of primary energy among the Commission's direct customers. Government services and institutions continued the steady increase in consumption that has prevailed over the past nine years.

Primary Loads of Interconnected Systems

The maximum monthly sum of the primary peak loads of the interconnected utility systems in 1963 was 64,616 kilowatts, up 1.6 per cent from the corresponding maximum in 1962 of 63,623 kilowatts. The annual primary energy delivered to this group rose by 17.2 per cent from 366,031,507 kilowatt-hours in 1962 to 428,988,696 kilowatt-hours in 1963.

Sales of Secondary Energy

Sales of secondary energy declined for the third successive year, in 1963 by 6.6 per cent. A decline of 10.9 per cent in sales to interconnected systems was

offset in part by a 25.5 per cent increase in sales to industrial customers. Interconnected systems were supplied with 3,148,710,534 kilowatt-hours and industrial customers with 597,353,624 kilowatt-hours of secondary energy in 1963 as compared with 3,533,736,919 kilowatt-hours and 475,963,395 kilowatt-hours respectively in 1962.

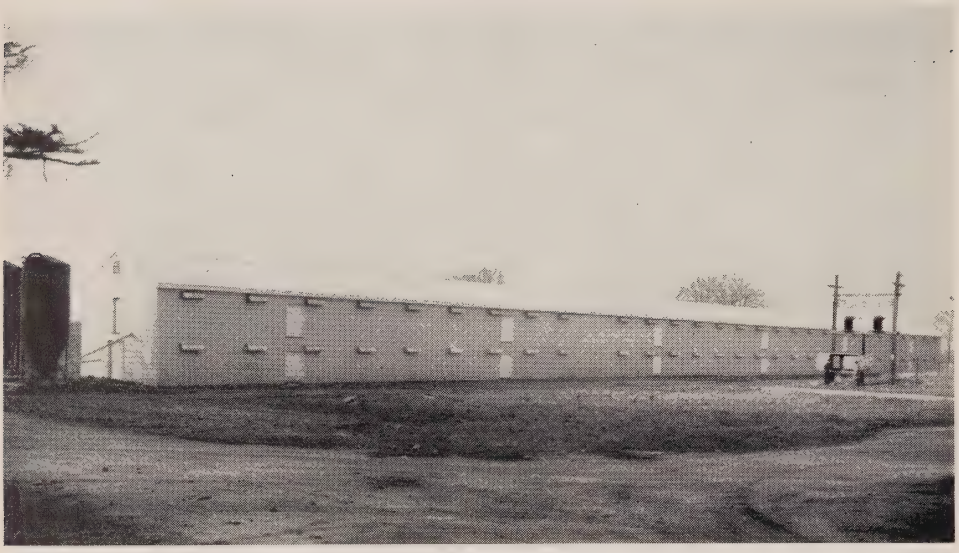
RURAL ELECTRICAL SERVICE

During 1963 there was a net increase of 12,948 in the number of customers served by the Commission's rural facilities, bringing the total number to 512,510. Annexations have continued, however, to reduce the number of farm services, and together with the amalgamation of farm properties, they have for the fourth successive year brought about a net decline in the number of farm customers served, this year a decline of 1,090 to a level of 136,864 at the end of the year. All other classes of service showed increases in the number of customers served.

Revenues, consumption, and average monthly consumption per customer were higher for all classes of customers in 1963, than they were in 1962. The increased use of electrically operated equipment in milking, bulk refrigeration,

NET INCREASE IN MILAGE OF PRIMARY LINES AND NUMBER OF CUSTOMERS DURING 1963

Regions by Systems	Miles of Primary Line	Number of Customers									
			Residential								
		Farm	Rural	Hamlet	Sub-urban	Total	Com-mercial	Com-mercial Summer	Summer	Power	Total
East System											
Western	29.49	11	263	195	327	785	74	10	170	40	1,090
Niagara	31.13	*220*	307	83	473	863	117	24	156	40	980
Central	29.57	*33*	23	118	962	1,103	93	*2*	39	59	1,259
Georgian Bay	108.55	*186*	93	360	660	1,113	102	99	2,223	42	3,393
Eastern	138.70	*142*	432	*117*	2,459	2,774	164	80	1,495	54	4,425
Northeastern	65.19	*464*	394	*305*	1,271	1,360	159	*33*	329	33	1,384
Total	402.63	*1,034*	1,512	334	6,152	7,998	709	178	4,412	268	12,531
West System											
Northwestern	27.68	*56*	45	80	44	169	25	23	250	6	417
Total—All Systems	430.31	*1,090*	1,557	414	6,196	8,167	734	201	4,662	274	12,948



ELECTRICITY ON THE FARM — Controlled environment in poultry and animal husbandry by the use of electricity is rapidly becoming a basic requirement in successful farming. This steel-sided brooder house can provide over 20,000 broiler chickens for market in a two-month period. Bulk feed from the bins at the left is delivered at scheduled intervals to both floors of the insulated brooder house.

stock feeding, and silo unloaders is reflected in the present level of average consumption per farm service at 7,704 kilowatt-hours per annum. The 1963 average cost per kilowatt-hour declined for all classes of service shown in the table on page 144, and is now at levels lower than at any time in the past ten years.

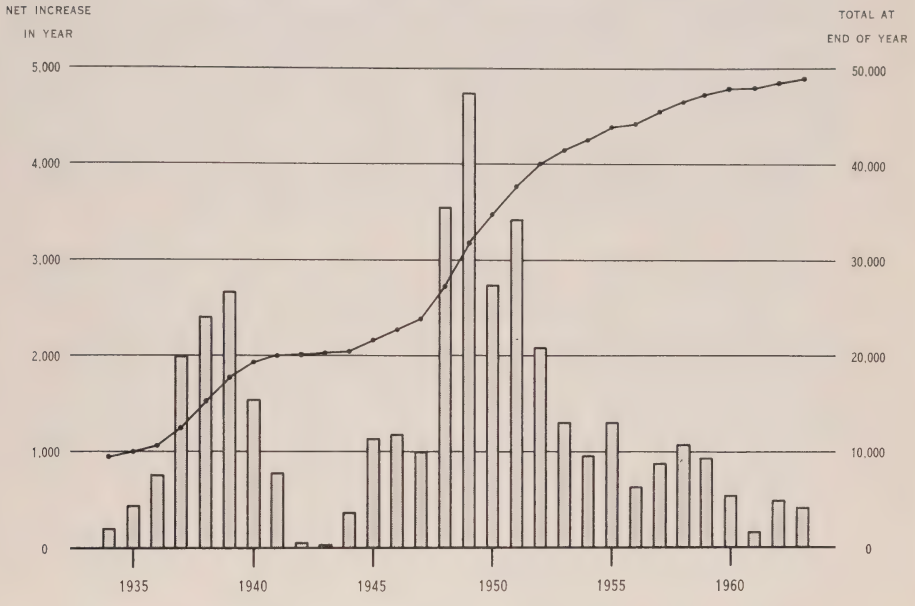
The importance of electrical service in animal and poultry husbandry increases year by year. In 1963 special consideration was directed, in conjunction with manufacturers and distributors of equipment to the requirements of hog raising and poultry brooding. Broadening experience in the application of electric heat and ventilation to provide a controlled environment for the brooding process not only gives promise of profit and satisfaction to the customer but also indicates that this type of load will be most acceptable to economic operation of the distribution facilities.

The increase in the use of electrically operated appliances and equipment has focussed attention on the need for higher service-entrance capacity. At one time 35-ampere service was considered quite adequate for most farm installations. During 1963 more than 4,400 farm service entrances were increased in capacity, 2,500 to 100-ampere service and more than 550 to 200-ampere service or better. During the year the Commission made available 200-ampere outdoor service-entrance boxes complete with receptacle and breaker for use with standby generation. This equipment was not previously available through any supplier.

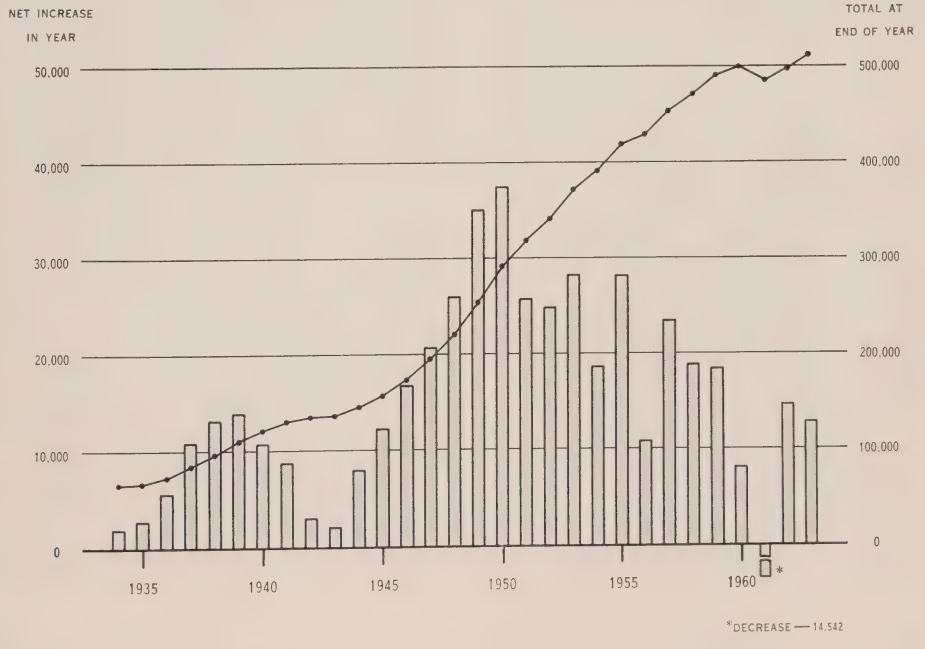
Plans were laid during the year for the promotion in 1964 of the rental of modern outdoor 175-watt mercury-vapour luminaires for dusk to dawn lighting for

THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO

MILES OF RURAL PRIMARY LINE



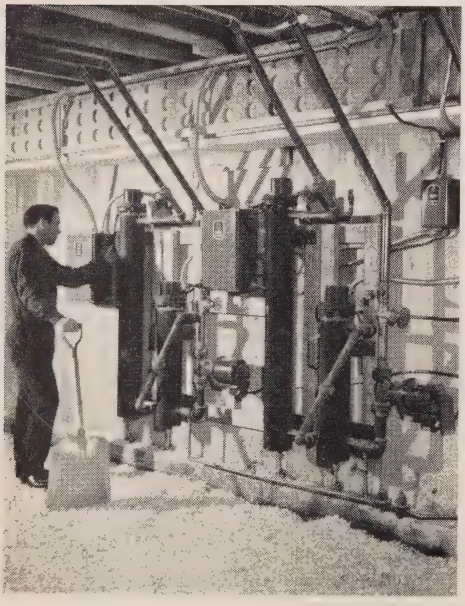
NUMBER OF RURAL CUSTOMERS

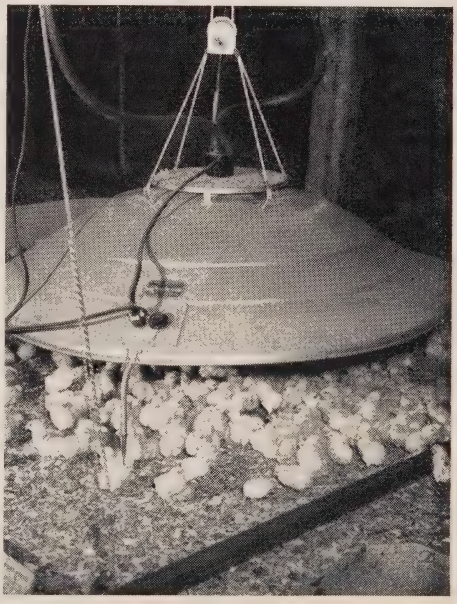


farm installations and for commercial installations in the rural areas. The program will feature adequate area lighting as contributing to general attractiveness, convenience for outside work, and safety, at motels, sales locations, and farm establishments.

Approximately 100 young people actively engaged in farming participated in seven courses of evening demonstration lectures given over a ten-week period and dealing with the use of electricity in modern farm practice. Subjects ranged from basic farm wiring layout to the selection of appropriate wire sizes and motors, with a comprehensive analysis of the proper use of electric lighting and heating on the farm and a review of the cost of service and the various rates established to cover these costs. Average attendance was close to 95 per cent.

A slight revision of farm rates, effective in April 1963, permits customers to choose to their own advantage, subject to certain minimum charges, whether to be billed on farm service or farm demand schedules. The latter (see table of rates on page 134 assumes a minimum demand of ten kilowatts. If they choose the former, they may have water-heating service under the bonus-block rate, a metered energy rate that has been successfully applied in residential service to the new fast-recovery heaters. With the introduction of the new rates, new installations of flat-rate water heaters were discontinued.





ELECTRICITY USED IN POULTRY BROODING — The equipment panel in the brooder house has a 15-kilowatt and a 6-kilowatt circulation water-heater, and a circulating water-pump for each of the two floors. The house has a connected heating load of 84 kilowatts in addition to the lighting and ventilating fan load. Fresh air is drawn in through circular vents in the panel shown at the top, which extends the whole length of the building. These vents are manually controlled from two points on each floor. The picture at the right shows an aqua brooder in which hot water circulates through finned tubing to provide concentrated heat for the young chicks.

Also in April an 11 per cent reduction in house-heating rates for suburban customers was introduced, bringing the rate to 1.22 cents gross per kwh.

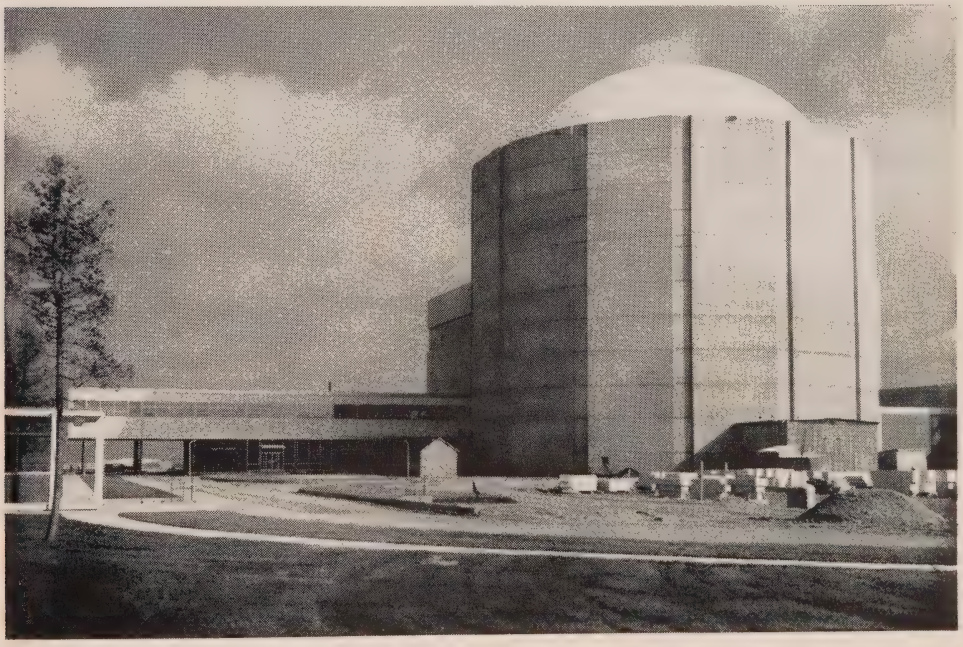
Industrial and commercial customers will be able to take advantage of the low valley-hour rates applicable since August 1963 to energy consumed during periods of low demand, between 11:00 pm and 7:00 am on weekdays, and throughout the entire weekend.

SERVICES TO CUSTOMERS

Public Relations

Through a sustained public relations program the Commission meets the requirement of keeping the public informed regarding its province-wide operations. This includes the production of film, radio, and television material, publications of many kinds, news releases and special articles, as well as the provision of speakers and displays for special occasions.

During the year more than 800,000 persons visited hydro-electric and thermal-electric generating stations and the Douglas Point Nuclear Power Project, and more than 750,000 other persons were sufficiently interested in Ontario Hydro



DOUGLAS POINT NUCLEAR POWER STATION — When this photograph was taken in November 1963, work was under way to prepare for the installation of the reactor in the domed building at the right, and the turbine was being erected in the building directly behind. The two-storey building projecting to the left will house the administration offices.

MUSEUM OF ELECTRICAL PROGRESS — Items of early electrical equipment are being collected, refurbished, and where possible put into operating condition in anticipation of the establishment of the proposed electrical museum.

matters to attend some 27 presentations of the Commission's programs at public gatherings such as fairs and exhibitions.

A public-speaking contest sponsored by the Commission for the fifth successive year in conjunction with the Ontario School Trustees' and Ratepayers' Association attracted 300,000 student participants. Constant liaison is maintained with the participating students throughout the contest period both by representatives of the Commission's public relations staff and of the local electrical utilities. This ensures that these young people from every corner of the province are accurately, and to the extent they may require, completely informed on the important contribution made to the provincial economy by the publicly owned electric power utilities.

Museum of Electrical Progress

With the endorsement of the Ontario Municipal Electric Association the Commission in 1963 undertook a study of the feasibility of establishing a Museum of Electrical Progress in the Province of Ontario. The collecting of suitable items of old electrical equipment and mementoes for possible eventual display was begun with the assistance of the municipal utilities, electrical manufacturers and dealers, and the Commission's retail customers. The material is being catalogued, refurbished, and temporarily housed at the A. W. Manby Service Centre.

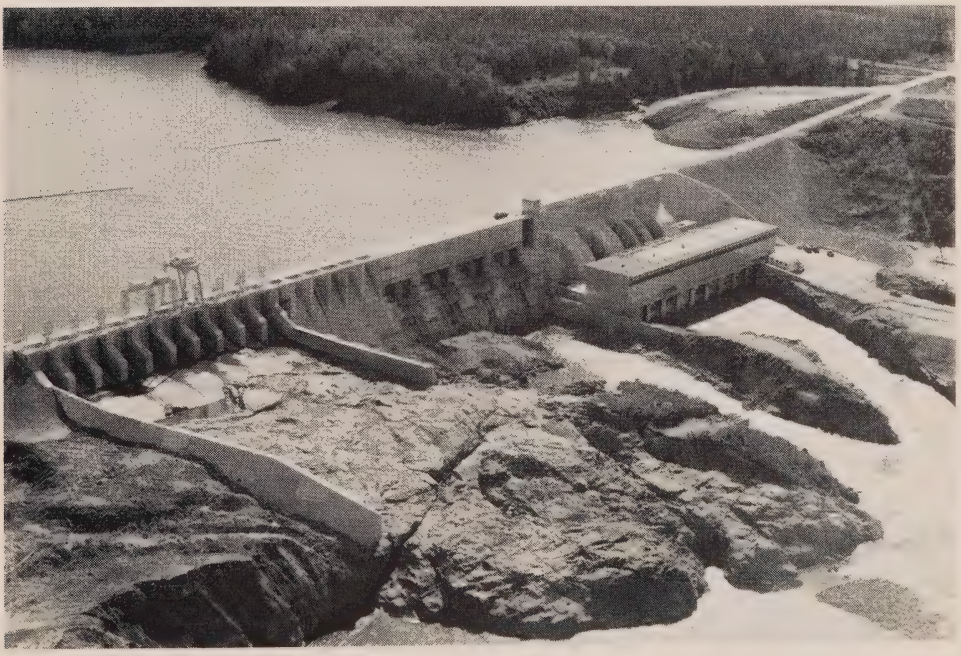
Several technical groups have been organized to adjudicate on the authenticity of the material as it is received.

Electrical Inspection

Under The Power Commission Act the approval of electrical equipment and the inspection and approval of its installation are the responsibility of the Commission. Approval may be given through the adoption of reports made by the Canadian Standards Association Testing Laboratories or by other recognized testing agencies. On the other hand, when equipment has been custom-built, or manufactured as other than a regular line, or when equipment similar to Canadian Standards Association certified models has been installed without the required evidence of approval, it must be inspected by Commission representatives.

The fact that approximately 10,000 inspections of this type were made during 1963, as well as sales control inspections at numerous exhibitions and retail outlets, is some indication of the important contribution the Commission is making towards electrical safety in the province.

The number of permits issued for electrical installations, at nearly 315,000, was 4.5 per cent higher than in 1962, while the number of inspections of work completed or in progress rose by 7.0 per cent to more than 695,000.



OTTER RAPIDS GENERATING STATION — ABITIBI RIVER — With the placing in service of the third and fourth 43,700-kilowatt units in the fall of 1963, scheduled construction at this station was completed. Provision for the possible later installation of a further four units can be seen in the headworks to the left of the powerhouse.

Revisions are made in the Electrical Inspection Regulations issued under The Power Commission Act as the changing techniques of installing electric wiring and equipment require. *The Ontario Electrical Code 1963,* the fourteenth revised edition of the Regulation, was prepared, and the publication was scheduled for distribution in 1964.

While the Commission's own safety record continues to improve as recorded in the Staff Relations Section of the Report, there is cause for concern in the seeming indifference of the public in general to the need for adequate wiring in the operation of the many convenient electrical appliances in use today.

There is a real need also for greater vigilance and care in the handling of equipment, not only by the electrical trades but also by construction people, particularly when large machines are operated in the vicinity of power facilities.

At the request of the Ontario Municipal Electric Association a new regulation was issued in 1963 requiring new single-dwelling residences in Ontario to be equipped with a service entrance having a minimum capacity of 100 amperes and a distribution panel with space for 20 circuits, at least 8 of which can be paired in four 120/240-volt circuits. This is now standard for the province.

This supervisory console, recently installed by the Hamilton Hydro-Electric System, is designed to permit one man to monitor and control the operation of up to 40 substations throughout the city. At the time of the photograph eleven substations were controlled from the console. More will be added as new stations are placed in service and older stations are converted to automatic operation.

REPORTS FROM THE REGIONS

Western Region

Continued load growth required improvement in distribution system capacities in nearly all utilities, but notably in Chatham, Sarnia, Stratford and Windsor. New substations were added in Chatham, Clinton, Goderich, London, St. Thomas, Seaforth, Windsor and Woodstock.

Construction of a modern service centre was begun in Sarnia. Mitchell Public Utilities Commission completed a service centre which features a heat pump for heating and cooling. Garage and warehouse facilities were added by the Goderich and Wyoming utilities.

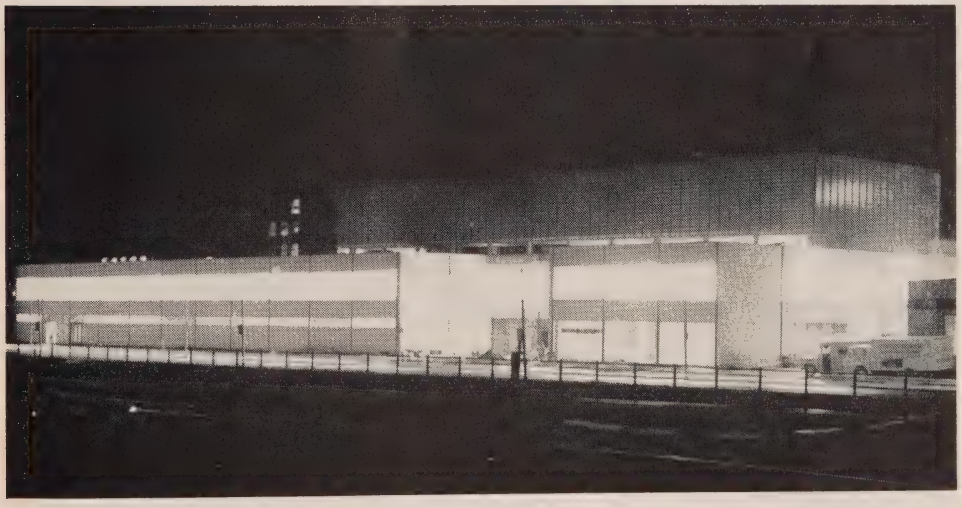
Niagara Region

The amalgamation of Stamford Township with the City of Niagara Falls became effective January 1, 1963. Waterloo Public Utilities Commission placed a new 115—14.2-kv transformer station in service in May.

The electrical utilities in Brantford and Hamilton further expanded their underground distribution systems and made extensive installations of mercury-vapour street lighting.

Central Region

Substations were added by the electrical utilities in Brampton, Oshawa and the Townships of Etobicoke, North York, Scarborough, and York. Continued growth in industrial load required the addition of several customer-owned substations in the municipalities of the greater Toronto area.



AN ALL-ELECTRIC NEWSPAPER PLANT — High-level lighting plays its part in heating the building, which has no boiler room, no fuel storage, no combustion equipment, and no smoke stack. During the winter, one of the largest heat-pump installations in Canada reclaims and circulates what is normally waste heat from presses and lights. In summer, the same system is used for air conditioning and humidity control.

The peak load for 1963 for the Toronto Hydro-Electric System was 658,357 kw, 3 per cent greater than the peak load in 1962. With the extension of the underground duct system by approximately 42 miles, the total length of underground duct owned by the utility at the end of 1963 was 2,122 miles. The removal of overhead facilities in conjunction with this underground extension leaves over 22.5 miles of streets free of distribution poles and overhead wires.

The new electric steam generating plant at the Teraulay Street substation in Toronto, placed in service in November 1963, provides heating for several buildings in the City Hall area. A 16-storey office building in the downtown area, to be known as the Toronto Professional Building, will make use of heat recovered from all heat sources in the building by means of a heat pump. This will be supplemented by electric resistance heating.

Georgian Bay Region

The Durham and Orangeville commissions constructed electrically heated offices and occupied them during 1963.

New substations were added in Barrie, Hanover, Mount Forest, Owen Sound and Walkerton. Barrie Public Utilities Commission and Lindsay Hydro-Electric Commission increased the capacity of existing substations.

ORANGEVILLE HYDRO-ELECTRIC COMMISSION — The opening of the new electrically heated office and service building of the Orangeville Hydro-Electric Commission featured a Cascade 40 water-heater display.

The use of electric heating in motels, schools, apartments, shopping centres and residences is finding increasing acceptance.

Eastern Region

Major extensions of facilities were made in Alexandria, Cobourg, Kingston, Ottawa, Perth, Peterborough, Trenton, and improvement of existing facilities was carried out by most utilities.

With the completion of amalgamation of the Eastern and former East Central Regions, administration of the combined regions was established in Belleville. The former Eastern regional office building was sold to the City of Ottawa.

Northeastern Region

New 5,000-kva substations were placed in service by the electrical utilities in Kapuskasing and Sudbury.

The Thessalon Hydro-Electric Commission completed a major rehabilitation program and the West Ferris Township Hydro-Electric Commission installed 200 mercury-vapour street lights along the widened Lake Shore Drive in the township.

Northwestern Region

Rate decreases were put into effect in the towns of Rainy River and Sioux Lookout and in five other communities served by Commission-owned distribution facilities. Upward revision of rates was required in the Townships of Nipigon and Schreiber.

SECTION IV

PLANNING, ENGINEERING, AND CONSTRUCTION

The planning of new sources of power generation requires the careful balance of a number of factors, which are continuously shifting in their relationship one to another. They include:

1. Fluctuations in the rate of load growth.
2. Changing patterns in load use.
3. The relative economics of developing large-scale thermal resources close to load centres as compared with smaller and remote hydro-electric resources.
4. The advancement in technology of extra-high voltage for long-distance power transmission.
5. The developing technology of nuclear-electric generation, and the economy that is expected to follow from its use.

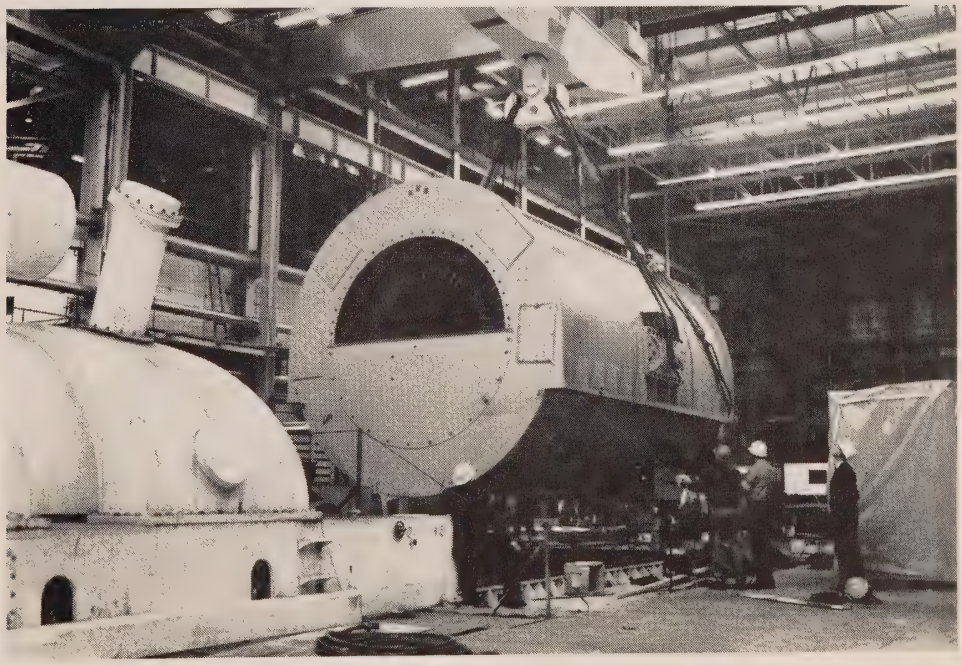
Current policy decisions must be made in the light of long-term plans. Long-term plans on the other hand must be sufficiently flexible to permit advantage to be taken of potential short-term savings.

Over the past 15 years, the Commission's capital construction program has included the addition of 3,842,250 kw of installed capacity in hydro-electric stations and 2,184,000 kw in thermal-electric stations. In addition, approximately 261,200 kw in hydro-electric and 3,000,000 kw in thermal-electric capacity, including

200,000 kw in the Douglas Point Nuclear Power Station, are now in the construction program. The same span of 15 years to the end of 1963 has seen the development of the last major hydro-electric resources in the southern part of the province. It has been marked by a steady increase in the size of thermal-electric units, from the 66-mw units placed in service at J. Clark Keith Generating Station in the period 1951 to 1953, through the 100-mw and 200-mw units at Richard L. Hearn Generating Station, to the 300-mw units installed or being installed at Lakeview Generating Station. Now, 500-mw units are planned for service in 1969 at a new thermal-electric station in southwestern Ontario.

Generally speaking, the use of larger thermal-electric units has the dual advantage of reducing the cost per kilowatt for purchase, installation, operation, and maintenance, as well as increasing thermal efficiency. They have the one disadvantage that they require larger system reserves in total to meet the possibility of their being unavailable in an emergency.

The decision to proceed with the installation of 500-mw units in 1969 was based on an extensive study of the technical, operating, and economic aspects of units of various sizes. Although units of 1,000-mw capacity can now be manufactured, the study indicated that for the immediate future, units for installation on the Commission's East System should not exceed 500 mw in capacity. Operating experience with such units is, of course, limited. The indications are, however, that they



LAKEVIEW GENERATING STATION — NEAR TORONTO — The generator stator and outer casing for Unit 3 are shown being placed in position during the month of November 1963. Commissioning of the unit was deferred to 1964 to permit adjustments to be made to the turbo-generator.

will be reliable and will fit the established operating requirements. In 1969, when the first 500-mw units will be in service, and for a few years thereafter, the larger units will result in higher total capital and annual costs than 300-mw units, but as more of the 500-mw units are installed, they will have the advantage over 300-mw units both in capital and annual cost per kilowatt. As the system grows and larger-capacity interconnections are established with neighbouring utilities, the installation of units of larger than 500-mw capacity will probably be justified.

During 1963 the decision was made to proceed with the seventh and eighth units at Lakeview Generating Station for service by 1968 and to arrange for the investigation and purchase of a site for the conventional thermal-electric station to be located, as already mentioned, in southwestern Ontario.

The latter station is to be designed for the installation of four 500-mw units, and the first two are tentatively scheduled for service in 1969. The length of the period between the decision to proceed and the in-service date provides time for the purchase of property, and for more extensive work in design and equipment analysis as well as in manufacturing, testing, and commissioning for the large units.

Douglas Point Nuclear Power Station

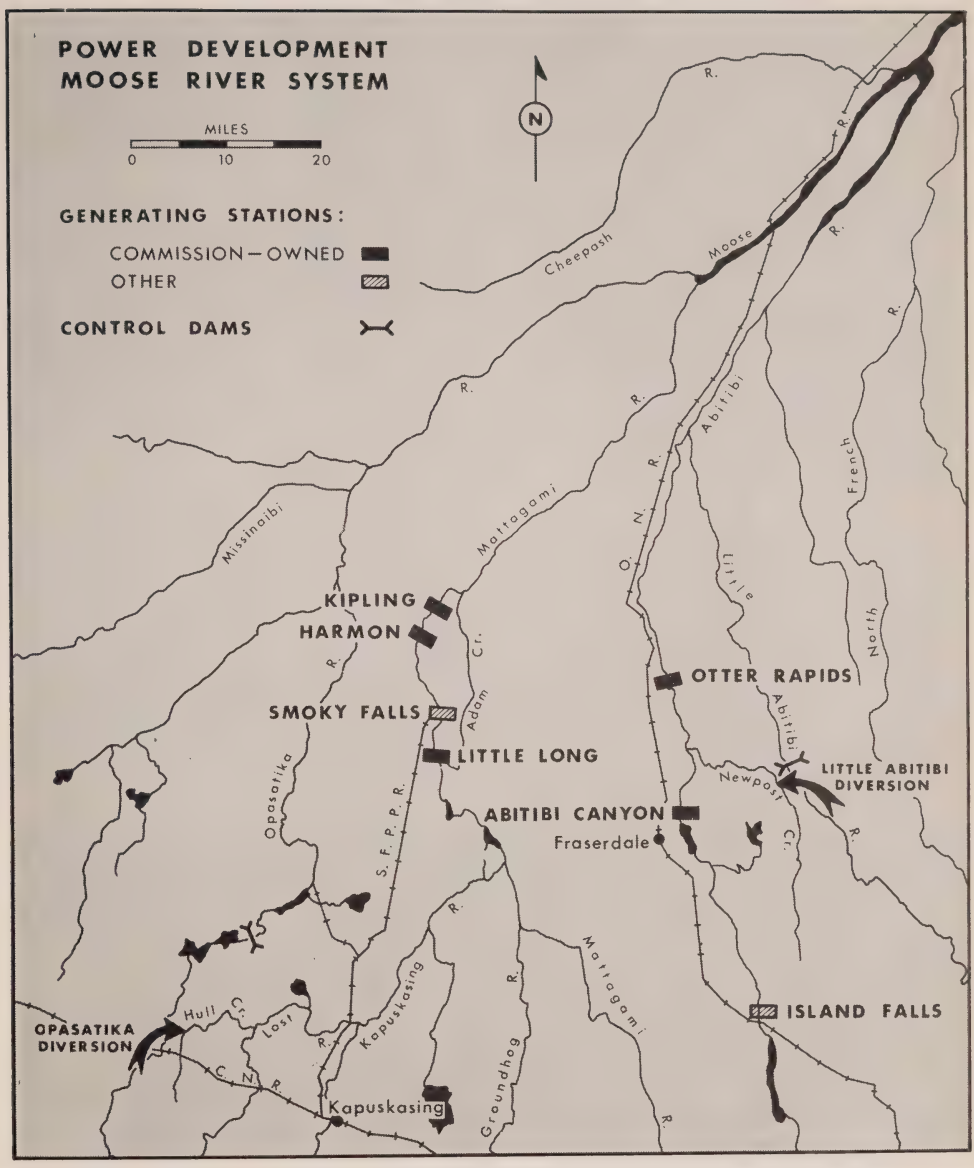
In co-operation with Atomic Energy of Canada Limited, the Commission is continuing with the construction near Kincardine on the shore of Lake Huron of Douglas Point Nuclear Power Station, where a 200,000-kilowatt unit is scheduled for commissioning in 1965. It also has begun work with the Crown company on preliminary design and development of a much larger nuclear station for which a location and an in-service date have yet to be established.

Moose River Development

Comprehensive studies carried out in 1957 indicated that with the development of all major hydro-electric resources in southern Ontario approaching completion, development of sites in the far north would be economical. There were, of course, construction problems and difficulties associated with the transmission of power over long distances to the load centres.

Otter Rapids Generating Station on the Abitibi River, which became part of the development program in 1958, was placed in service in 1961. The decision to proceed with the extended development at Otter Rapids, and the program to develop three sites on the Mattagami River followed in 1960 as the feasibility of extra-high-voltage transmission enhanced the economic advantages of these sites.

The reports on individual hydro-electric projects that follow deal with the implementation of plans up to the end of 1966 for the initial phase of development of the potential of the Moose River, the Mattagami being a major tributary of the Moose. Additional capacity for meeting short-term peaking requirements will probably be developed either by the addition of units at these stations or by the construction of other hydro-electric stations. While economic studies are under way for



the evaluation of these hydro-electric alternatives to thermal-electric generation, the required lead time for their development is sufficiently short that no decisions for adding hydro-electric capacity beyond 1966 have as yet been made.

The possibility is also being canvassed that Ontario might make economic use of the development of large sources of power available outside the province of Ontario, at least until this power is required by the entities engaged in its development.

Summary of the Power Development Program as at December 31, 1963

System and Development	*Number of Units* *In Service*		*Scheduled*		*Installed Capacity*
					kw
EAST SYSTEM					
Lakeview—near Toronto	1T	1961	6T	1964—1968	2,400,000
	1T	1962			
Otter Rapids—Abitibi River	2H	1961			174,800
	2H	1963			
Little Long—Mattagami River	2H	1963			121,600
Douglas Point Nuclear Power—near Kincardine			1T	1965	200,000
Harmon—Mattagami River			2H	1965	129,200
Kipling—Mattagami River			2H	1966	132,000*
Lambton—14 miles south of Sarnia			2T	1969	1,000,000

T Indicates Thermal-electric.
H indicates Hydro-electric.

*Tentative capacity.

Niagara River Remedial Works

A five-gate extension to the thirteen-gate control structure up stream from the falls was completed. It was placed in service in September 1963. Enlargement of the control building to facilitate the operation of the gates is scheduled for completion in 1964.

The reduction of Tower Island shoal in the river was also completed in 1963. Both the deepening of the river and the extension of the control dam were undertaken with the purpose of preventing the accumulation of ice in the upper reaches of the river and facilitating the movement of ice over the falls.

Survey Work

Engineering surveys were carried out for 231 miles of transmission lines and at more than 30 station properties. Legal surveys for the purpose of acquiring property or property easements were completed for 175 miles of ehv line, along 50 miles of other lines, and also at various hydro-electric sites.

An extension in the use of photogrammetric methods was the preparation by aerial survey and ground control of a route plan and profile for 13 miles of proposed ehv line and of plans for the engineering design at two station sites. These surveys were obtained at savings of over a third of estimated costs of the job using conventional methods.

Office and Service Buildings

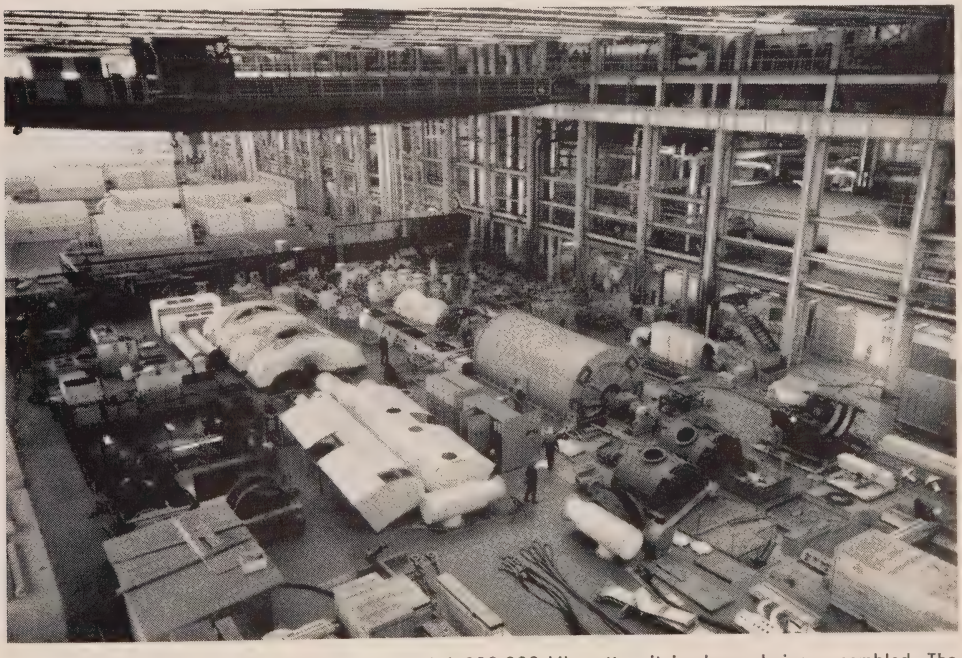
Construction is well advanced on the new Western Region office at Wellington Road and Bradley Avenue in London. Its more than 38,000 square feet of floor space will have 100 to 120 footcandles of illumination from a lighting load of approximately 5 watts per square foot. The provision of an internal-source heat

Expenditures on Capital Construction, 1954-1963

	Generation	Transformation	Transmission	Retail Distribution	Other	Total
	$'000	$'000	$'000	$'000	$'000	$'000
1954	76,649	15,360	16,091	20,689	4,029	132,818
1955	68,483	12,624	10,823	19,173	3,469	114,572
1956	128,245	13,464	11,424	17,459	2,411	173,003
1957	151,738	17,302	19,295	17,581	2,776	208,692
1958	126,204	20,688	20,806	19,980	2,978	190,656
1959	98,251	20,788	12,159	19,996	2,910	154,104
1960	82,506	16,624	12,230	18,120	2,559	132,039
1961	77,939	10,693	11,446	18,954	4,624	123,656
1962	59,741	11,754	21,118	18,102	3,709	114,424
1963	49,301	12,109	22,391	18,073	6,283	108,157
Total	919,057	151,406	157,783	188,127	35,748	1,452,121

pump permits heat released from the lighting load to be used in heating the building. Supplementary heat for extremely cold days will be supplied from a small standby electric boiler. The building will be completely air-conditioned. It is scheduled for occupancy in May 1964.

A number of desirable improvements have been made or are being made at the operators' colony at Abitibi Canyon Generating Station. The present construction program includes improved road connections to the colony, and the building



LAKEVIEW GENERATING STATION — The third 300,000-kilowatt unit is shown being assembled. The first and second units, already in service, can be seen in the background. By the end of 1968, eight units with a total installed capacity of 2,400,000 kilowatts are to be in operation at the station.

of more than 30 houses, as well as the provision of improved shopping, service, and recreational facilities. A two-room extension to the local school, 22 houses, and enlarged store and post office services were made available during 1963.

Office and service buildings or extensions to present buildings were placed in service during 1963 at Beamsville, Penetanguishene, and Timmins, and at Essa Transformer Station. An addition to the Area Office building for Cobden Rural Operating Area is expected to be ready for service early in 1964.

On March 29, 1963, the Commission assumed ownership of the building formerly occupied by the Royal Conservatory of Music of Toronto at the corner of University Avenue and College Street. The building now houses several departments of Head Office Divisions.

PROGRESS ON POWER DEVELOPMENTS

During 1963 the Commission was engaged in the construction or commissioning of seven generating stations. Two were conventional thermal-electric, one was nuclear-electric, and four were hydro-electric. The following paragraphs record progress on their construction.

Lakeview Generating Station — Near Toronto

Location	— On Lake Ontario just west of Toronto.
Installed Capacity	— 2,400,000 kilowatts in 8 units, 60 cycles.
In Service	— Unit 1 in 1961; Unit 2 in 1962.
In Service Schedule	— Units 3 and 4 in 1964; Unit 5 in 1966; Units 6 and 7 in 1967; Unit 8 in 1968.
Estimated Cost	— $269,000,000, including generation, step-up transformation, and high-voltage switching at the site.

Observation of the performance of Units 1 and 2 indicated the need for some modifications. Provision was therefore made during the year for these modifications and the completion of some items of installation which were still outstanding.

Erection of equipment for Unit 3 was nearing completion by the end of the year. The steam generator was ready to supply steam, and the turbo-generator, for final adjustments. The in-service date was, however, deferred from 1963 to 1964, to permit these final adjustments and the commissioning of the unit. Work on the erection of the boiler, turbo-generator, and other items for Unit 4 was proceeding.

Good progress was possible with engineering work for Units 5 and 6, as the contracts for all major equipment for these units had been awarded earlier. Following the Commission's decision in June 1963 to proceed with the installation of Units 7 and 8, purchase contracts for the steam generators and turbines were placed. Engineering and construction costs should be kept to a minimum since the steam generators and all major auxiliaries are almost identical in design and layout with Units 5 and 6.

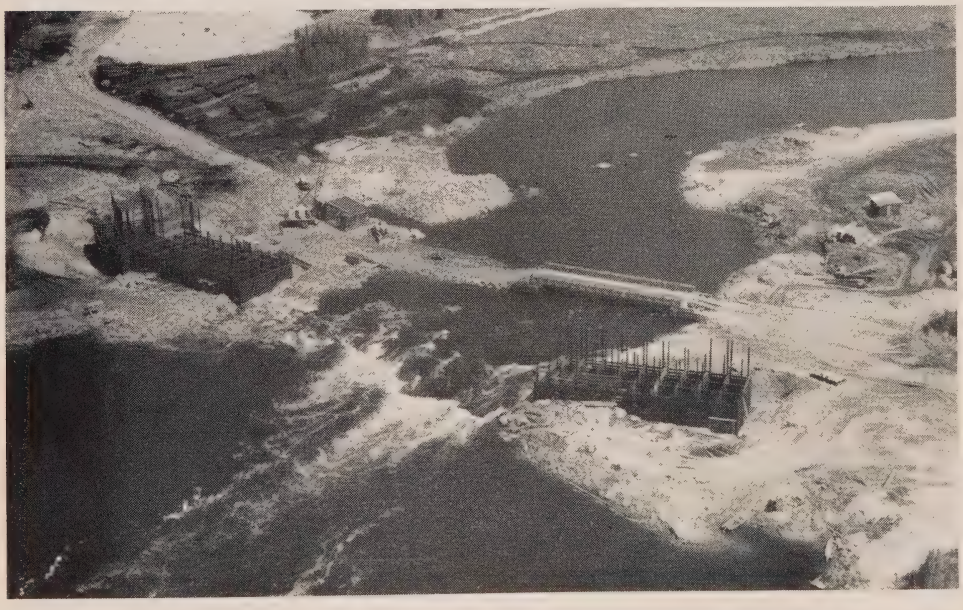
THUNDER BAY GENERATING STATION — FORT WILLIAM

Location — North shore of the Mission River in Fort William.
Installed Capacity — 100,000 kilowatts in 1 unit, 60 cycles.
In Service for Test Purposes — April 10, 1962.
Actual Cost as at December 31, 1963 — $27,333,000, including generation, step-up transformation, high-voltage switching at the site, and provision and preparation of the site for possible later extension of the station.

Commissioning tests were completed on July 20, 1963, and the station was officially placed in service in July. For the present it will provide standby service in the event of low stream-flows or a sharp increase in energy requirements in the West System.

OTTER RAPIDS GENERATING STATION — ABITIBI RIVER

Location — 60 miles northeast of Kapuskasing, and 23 miles down stream from Abitibi Canyon Generating Station.
Installed Capacity — 174,800 kilowatts in 4 units, 60 cycles.
Rated Head — 107 feet.
In Service — Units 1 and 2 in 1961; Unit 3, July 30, 1963; Unit 4, October 10, 1963.
Actual Cost as at December 31, 1963 — $33,118,000, including generation, step-up transformation, and high-voltage switching at the site.



LITTLE ABITIBI RIVER DIVERSION — The timber-crib control dam on the Little Abitibi River is shown in the early stage of construction in the spring of 1963. The control dam and the related canal works to divert the river into the Abitibi River up stream from Otter Rapids Generating Station were placed in service in October 1963.

KIPLING GENERATING STATION — MATTAGAMI RIVER — Construction of cofferdams was begun in 1963 and was continued under winter conditions shown above. A four-unit headworks incorporating initially a two-unit powerhouse is being constructed in the river channel. The station is scheduled for service in 1966.

Following the completion of the second stage of construction which began in August 1962, Units 3 and 4 were placed in service, and the station was officially opened on September 11, 1963.

The damming of the Little Abitibi River and the diversion of its flow into the Abitibi River up stream from Otter Rapids Generating Station will enlarge the drainage area supplying this station by approximately 12 per cent. It will thus increase the capability at Otter Rapids and the power potential of other sites further down stream. The diversion required the construction of about two miles of canals linking the Little Abitibi River with Newpost Creek and thereby with the Abitibi River.

The construction of the timber crib control dam on the Little Abitibi River, together with its adjoining dikes, and the excavation of the diversion canals, were begun early in 1963. The project was completed ahead of schedule and was placed in service in October 1963.

HARMON GENERATING STATION — MATTAGAMI RIVER

Location	— About 55 miles north of Kapuskasing.
Installed Capacity	— 129,200 kilowatts in 2 units, 60 cycles.
Rated Head	— 102 feet.
In Service Schedule	— Two units in 1965.
Estimated Cost	— $22,169,300, including generation, step-up transformation, and high-voltage switching at the site.

There will be a four-unit headworks, incorporating initially a two-unit powerhouse on the west bank of the river, two spillway sluices on the east bank, and a connecting gravity section in the river channel proper. Short earth dikes at each end of the concrete section will complete the dam.

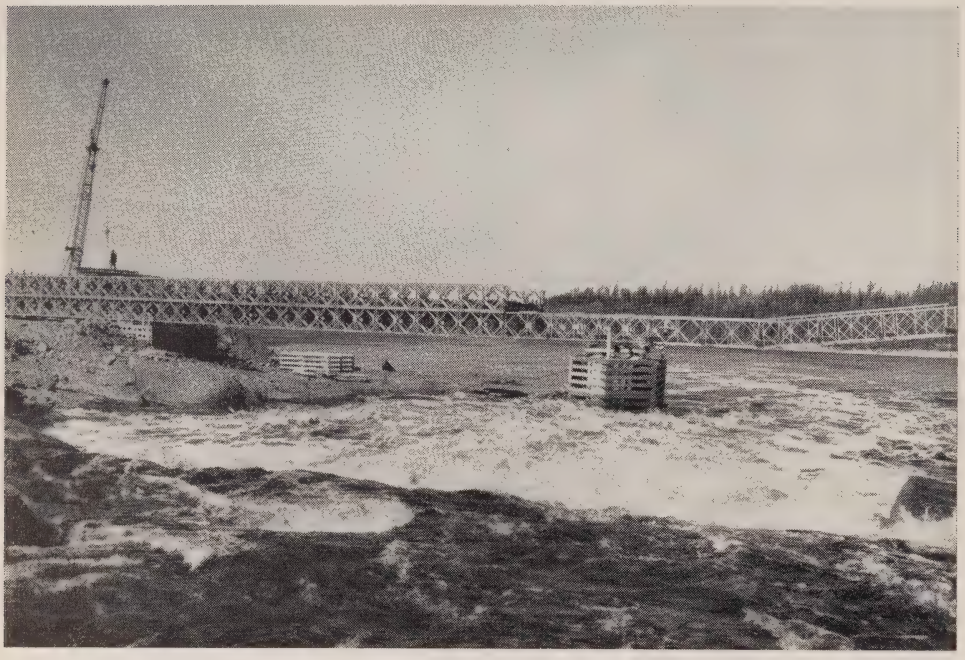
Approximately 50 per cent of the excavation work in the powerhouse and headworks area has been done.

KIPLING GENERATING STATION — MATTAGAMI RIVER

Location	— About 58 miles north of Kapuskasing and 3 miles down stream from Harmon Generating Station.
Tentative Capacity	— 132,000 kilowatts in 2 units, 60 cycles.
Rated Head	— 102 feet.
In Service Schedule	— Two units in 1966.
Estimated Cost	— $21,420,900, including generation, step-up transformation, and high-voltage switching at the site.

A four-unit headworks, incorporating initially a two-unit powerhouse, will be built in the river channel, and this will be extended by a sluiceway structure on the right bank of the river. Earth wing-dams will extend to closure on both banks.

HARMON GENERATING STATION — MATTAGAMI RIVER — This photograph, taken in the winter of 1963-64, shows the concrete gravity section in the river channel with the river now flowing from beneath the ice cover up stream through diversion ports in the structure. The excavation for the powerhouse and headworks can be seen beyond the gravity section, with the road to Kipling Generating Station curving off to the right.



KIPLING GENERATING STATION — MATTAGAMI RIVER. This Bailey bridge being placed in position to provide access to the east side of the Mattagami River at the Kipling Generating Station site was assembled on the bank from standard re-usable components before being pushed out over the river. The tilted section, or launching nose, which leads the bridge over rollers on the piers, will be removed when the bridge reaches the far shore. The completed bridge with a length of 380 feet in three spans will safely carry a load of 65 tons. The Bailey bridge structure, developed originally for use by the British Army, has been extensively used by the Commission since World War II.

Construction of the 3.5 mile service road from Harmon Generating Station was completed.

Investigation of foundation conditions was virtually completed in the headworks and powerhouse area, as well as similar foundation investigations for the cofferdams and the east and west earth dikes. Construction of cofferdams was begun, and the site was partly cleared by the end of the year.

The purchase contract for the supply of turbines and governors has been awarded.

Part of the flow of the Opasatika River will be diverted into the Mattagami River to increase power production at Little Long, Harmon, and Kipling Generating Stations. Development engineering for this project was completed in 1963, and project design will be undertaken early in 1964. Construction was begun late in 1963 for the access road from the Trans-Canada Highway near Opasatika Station to the dam site, and the road is scheduled for completion by January, 1965. Excavation of the diversion canal, scheduled to begin late in 1964, is planned to meet water-diversion requirements in the spring of 1965.

Little Long Generating Station

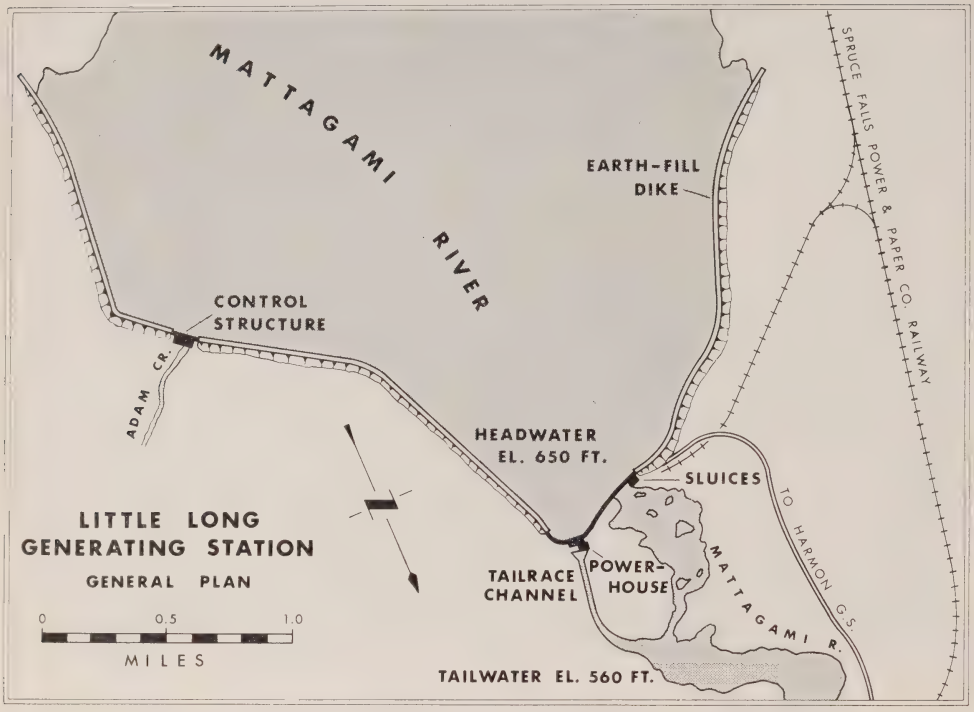
LITTLE LONG GENERATING STATION — MATTAGAMI RIVER

Location — About 42 miles north of Kapuskasing.
Installed Capacity — 121,600 kilowatts in 2 units, 60 cycles.
Rated Head — 90 feet.
In Service — Unit 1, November 28, 1963; Unit 2, October 2, 1963.
Actual Cost as at December 31, 1963 — $46,118,000, including generation, step-up transformation, and high-voltage switching at the site.

In 1958 the Commission embarked on a plan to develop a number of hydraulic sites in the northeastern part of the province in the James Bay watershed. Extensive field investigation had indicated that approximately 2,000 megawatts of peak capacity would be economic for development there for transmission at extra-high voltage to load centres as far as 500 miles to the south. Much of the available capacity was located on the Abitibi, Mattagami, and Missinaibi Rivers, and the Moose River into which they all flow.

The Moose River watershed drains some 35,000 square miles, and the river flows into James Bay at Moosonee. Approximately 14,000 square miles of this area, located partly in the districts of Cochrane, Sudbury, and Temiskaming, are

LITTLE LONG GENERATING STATION — MATTAGAMI RIVER — The main dam is approximately 2,800 feet long and contains about 300,000 cubic yards of concrete. In the foreground are the headworks and powerhouse where the two 60,800-kilowatt units were placed in service in the fall of 1963. The river channel and the spillway sluices can be seen in the middle background.



drained by the Mattagami River which is augmented by two main tributaries, the Groundhog and the Kapuskasing Rivers. The Mattagami itself has its source in Lake Mesomikenda at elevation 1198.0 and flows generally north and northeast to join the Moose River in the plain adjoining James Bay at elevation 105.0. Little Long Generating Station is one of three stations by which the Commission plans to develop the power potential on a 20-mile stretch of the river on either side of Smoky Falls where the Spruce Falls Power and Paper Company's Smoky Falls Generating Station has an installed capacity of 52,800 kilowatts. Run-off from 90 per cent of the Mattagami River watershed is channeled to Little Long Generating Station.

Deep deposits of rock, sand, and gravel overlie the pre-Cambrian rock in the south part of the watershed and sedimentary rock in the north. The entire area forms a rolling plain that slopes gently toward James Bay. The relatively flat surface is generally poorly drained and has extensive areas of muskeg. Forest cover is chiefly spruce, poplar, birch, jackpine, and balsam.

A major consideration in the economic evaluation of the Mattagami River sites, as for other sites on the Abitibi and Missinaibi Rivers, was the extreme variability of flow and the lack of adequate storage areas to modify peak flows. Mean monthly flows on the Mattagami River, for example, have varied from a maximum of 94,000 cfs to a minimum of 2,500 cfs, and the daily flow ranges all the way from a maximum of 152,000 cfs to a minimum of 600 cfs.

The plan is therefore to develop the Moose River generating complex in two stages. At the first level of installed capacity, the stations will operate at an average load factor of approximately 60 per cent, that is to say their energy or kilowatt-hour output will be 60 per cent of the kilowatt-hours they would produce if operated continuously at their peak output rate. At a later date, as more short-term peaking capacity can be used, these stations will be extended to their full peak capacity, which will then be used at a load factor of 35 per cent. The ultimate development at each of the three Mattagami River stations will be in four units, two to be installed at each stage.

Access to Little Long Generating Station is by Highway 11 or by the northern route of the Canadian National Railways to Kapuskasing and thence by the Spruce Falls Power and Paper Company's railway to within about a mile of the site. A spur line a little over a mile in length links the site with the railway. A road parallel to the railway and surfaced with crushed rock was built by the Commission in 1960.

A generally adequate foundation for the structure is provided by pre-Cambrian bedrock which is composed chiefly of biotite gneiss, granite, pegmatite, and diabase.

TIMBER CLEARING FOR LITTLE LONG GENERATING STATION — This powerful machine shown at work felling trees of considerable size was used in extensive clearing operations at the power development. It was capable of levelling a 20-foot swath through heavily wooded land at a speed of 1.5 miles per hour.

Main Dam

Two concrete structures joined by an earth-fill dike constitute the main dam, with earth-filled dikes extending to closure on both banks of the river. The principal concrete structure, 2,815 feet in length, includes a two-unit powerhouse and a four-unit headworks. It is flanked at either end by a gravity wall. The powerhouse structure and the adjoining east gravity wall were built on the east bank of the river. The east gravity wall, which is conventional in design, includes a log-chute headblock. A tailrace channel was excavated to join the river farther down stream. The west gravity wall, also conventional in design, spans the original channel and includes two sluiceways, each 40 feet in width. Only the first two of the planned four units have been installed, but the headworks for Units 3 and 4 has been partly built, and provision has been made for the completion of the headworks and the eventual extension of the powerhouse.

Approximately two miles southeast of the main concrete structure and joined to it by part of the extensive dike is the Adam Creek Control Dam. It consists of

LITTLE LONG GENERATING STATION — MATTAGAMI RIVER. The construction of Little Long Generating Station involved the excavation, movement, and placing of great quantities of earth and rock. For the tailrace, powerhouse, and headworks excavations, shown at the left, approximately 1,600,000 cubic yards of earth and 785,000 cubic yards of rock were removed. An estimated 3,100,000 cubic yards of materials were placed for the dikes, which total about five miles in length. At the right, riprap is being placed to protect the dike against erosion.

eight sluiceways each 40 feet in width. It is flanked at its east and west ends by concrete gravity walls.

Sluiceways and Log-Chute

The eight Adam Creek sluices and the two river-section sluices are capable of discharging a total of 215,000 cfs at full gate and normal headwater level. The two sluices in the main section are designed to pass the full station flow in the event of a shutdown. All gates are raised and lowered by electrically driven hoists. Four of the Adam Creek sluices and the two river-section sluices are controlled from Pinard Transformer Station about 30 miles to the east.

The log-chute headblock has an opening 16 feet in width with checks for the placement of stop logs. Provision has been made for the addition of a chute, if required. At present a concrete wall blocks the opening.

Headworks

The intake passage for each unit is flared outward in the form of a bell. Each intake is equipped with trash racks, and a headgate. Electric hoists are installed on the headgates for Units 1 and 2. Hoisting for the tailrace, headworks, and sluiceway sectional service gates is provided by a mobile crane which can also be used for the same purpose at Harmon and Kipling Generating Stations as required.

Penstocks and Draft Tubes

A steel penstock, 28 feet in nominal diameter and concrete-encased, conveys the flow to the scroll case for each of the two units. The first stage of construction does not include penstocks for the additional two units. Elbow-type draft tubes carry the scroll case discharge to the tailrace. Each draft tube outlet is divided into two exits by a centre pier. The main and centre piers, rising to generator-floor level, are equipped with gains for the accommodation of service gates for which the mobile crane will also provide service.

Superstructure

A rigid steel frame, 240 feet long and 79 feet wide, encloses the generator room and the erection bay area. The rails of the 125-ton overhead service crane, equipped with a 15-ton auxiliary hoist, are supported by the superstructure columns. The building has insulated aluminum panel siding. The roof deck has galvanized steel panels insulated with fibreboard and covered with felt and gravel. On the deck to the south and immediately adjoining the powerhouse, there are individual cubicles with steel flash walls for the main and service transformers. Transformers can be moved by rail into the erection bay through removable panels. When required for service, a spare transformer on the north side of the powerhouse can be moved by rail into the erection bay and hoisted by the powerhouse crane to the rails on the south side of the building.

SPECIAL TECHNIQUES FOR WINTER CONSTRUCTION — The man in the foreground is using a steam jet at Little Long Generating Station to warm a bucket before it is filled with concrete. The filled bucket is then raised by a derrick and the concrete is released down a chute leading to forms in a heated space protected by a temporary housing of Bailey bridging, timbers, and tarpaulins. These techniques permit construction to be continued at −50°F.

Mechanical Equipment

The two vertical shaft, fixed-blade propeller type hydraulic turbines were manufactured by English Electric, Canada. Each rated at 84,000 bhp and operating at a speed of 94.7 rpm, they are designed for a rated net head of 90 feet. Under normal operating conditions, each will discharge an estimated 9,100 cfs. They are regulated by conventional mechanical governors.

The 94.7-rpm generator units, supplied by Canadian Westinghouse Co. Ltd. are each rated 64,000 kva, 13.8 kv, 3 phase, 60 cycle, at 0.95 power factor, and

are equipped to operate either as generators or as synchronous condensers. Each is totally enclosed in a metal housing and is cooled by air-to-water heat exchangers.

Power into the System

The 13.8-kv power is conducted from the generators through isolated phase bus to metalclad switchgear equipped with high-speed air-blast circuit-breakers, and is stepped up to 230-kv in one bank of three single-phase, 60-cycle transformers. The high-voltage windings of the power transformers are connected through a motor-operated air-break switch to the 230-kv line to Pinard Transformer Station. Since there is no 230-kv breaker at the generating station, transfer-trip equipment using very-high-frequency radio signals will trip breakers at Pinard Transformer Station if faults occur in the power and station-service transformers or in the station switchgear.

Remote control for Little Long Generating Station is maintained by very-high-frequency radio at Pinard Transformer Station. Telemetering equipment provides a continuous record of certain specified quantities for each unit, and 25 other quantities as required. A total of 100 annunciation points, of which 89 are now in use, give both local and remote indication of relay operations, high temperatures, low oil levels, and the like.

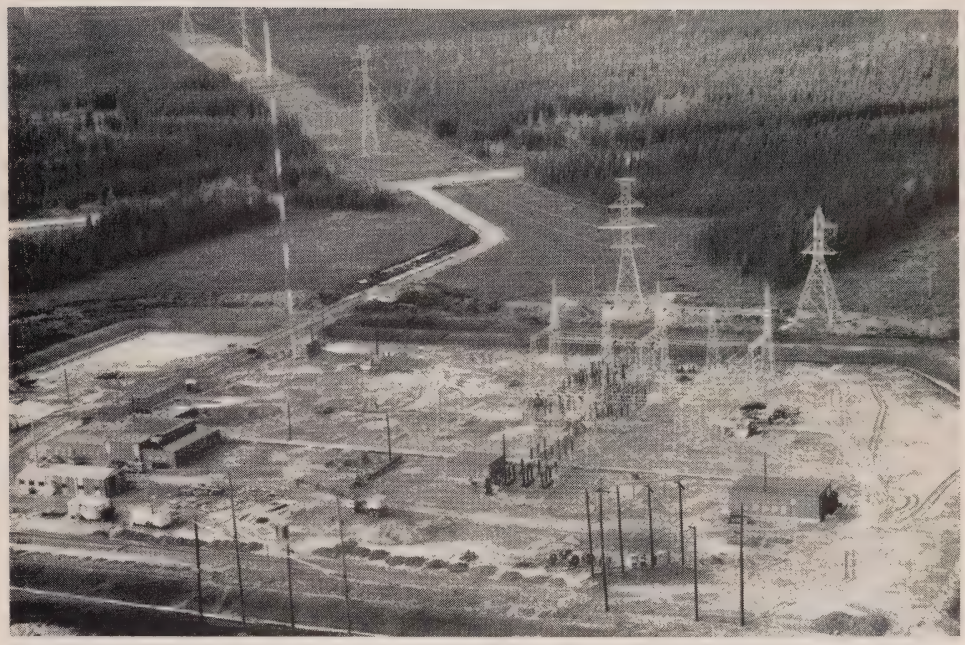
TRANSFORMER STATIONS

Extra-High-Voltage Stations

Four 230-kv circuit-breakers were placed in service at Pinard Transformer Station near Abitibi Canyon Generating Station as part of the preparatory work for the incorporation of extra-high-voltage facilities.

Major items of equipment for Hanmer Transformer Station, the terminal station for the ehv facilities in the Sudbury area, have now been purchased, and the initial installation in 1965 will have two 300,000-kva, 500—230-kv, 3-phase autotransformers. At the station 500-kv switching will be installed for the ehv lines from Pinard Transformer Station and to Kleinburg Transformer Station, which is to be built northwest of Toronto. The site for the latter station has been established, and design work for the initial stage is under way.

Among the major transformer stations placed in service during the year were Toronto-Leslie and Pinard Transformer Stations on the 230-kv network, and Bronte, Guelph-Campbell, and Kingston-Gardiner Transformer Stations on the 115-kv network. Additional detail is included in the following paragraphs on transformation work by regions.



PINARD TRANSFORMER STATION — In 1966, power generated at hydro-electric stations now in service or under construction on the Abitibi and Mattagami Rivers will be transmitted from this station to the Toronto area at 500 kilovolts over a 430-mile extra-high-voltage system. The northern part of this system, extending south to Sudbury, was placed in service at 230 kilovolts in October 1963. Transmission lines which carry power from Little Long Generating Station on the Mattagami and from Otter Rapids on the Abitibi River can be seen respectively at the upper left and at the right middle of the photograph.

Western and Niagara Regions

At Allanburg Transformer Station, a 225,000-kva, 230—115-kv autotransformer was placed in service to replace one of 115,000-kva capacity. The capacity of Detweiler Transformer Station was increased when the second of two 215,000-kva autotransformers was installed in place of a 115,000-kva, 230—115—13.2-kv autotransformer.

Engineering studies were begun for the installation of 230—115-kv transformation at Hamilton-Beach Transformer Station. At first, two 225,000-kva. 230—115-kv autotransformers will be installed, together with two 230-kv and four 115-kv circuit-breakers.

Work was begun for additional transformer and breaker equipment at Hamilton-Gage Transformer Station where two 60,000/120,000-kva, 115—27.6—13.8-kv transformers with on-load tap changers are scheduled for installation in 1965. A new station, known as Hamilton-Lake Transformer Station, was completed with two 25,000/31,250-kva, 115—28.4-kv, and two 20,000/33,333-kva, 115—14.2-kv transformers, the equipment being controlled from Hamilton-Beach Transformer Station.

The in-service date of the new 60-cycle transformer station at Port Colborne was postponed from October 1963 to January 1964. Guelph-Campbell Transformer Station with two 20,000/33,333-kva, 115—14.2-kv transformer banks, was placed in service in 1963 under supervisory control from Guelph-Cedar Transformer Station.

At Sir Adam Beck-Niagara Generating Station No. 1, six 115-kv air-blast circuit-breakers were installed as replacements for oil circuit-breakers.

Central and Georgian Bay Regions

Bronte Transformer Station was placed in service to supply 27-kv power to local oil refineries and to meet growing loads in the area. Two 50,000/83,333-kva, 115—27.6-kv transformers were installed there.

The new Toronto-Leslie Transformer Station was placed in service with two 75,000/125,000-kva, 230—27.6—13.8-kv transformers, the ultimate planned capacity being eight transformers of this capacity. At Richview Transformer Station, three 20 million-kva circuit-breakers were installed to replace three of 10 million-kva capacity, bringing the total now installed to thirteen. At the system control centre at this station, facilities were installed for receiving and recording kvar readings from eight stations in the East System.

Design work was in progress for a new 230—27.6-kv transformer station expected to be placed in service in the autumn of 1965 near Eglinton Avenue and Bermondsey Road, to be known as Toronto-Bermondsey Transformer Station. The station will have an initial installation of two 75,000/125,000-kva transformers to supply loads in the Townships of North York and Scarborough. The ultimate installation planned will include six transformers of this capacity, which will be supervisory controlled from Scarborough Transformer Station.

Construction is proceeding for the Toronto-Dufferin 115—13.8-kv station near Bloor and Dufferin Streets. The station will be ready for service at 115 kv in the fall of 1964. The capacity of Oshawa-Thornton Transformer Station is being increased by the replacement of two 50,000/83,333-kva, 115—44-kv transformers by two 75,000/125,000-kva, 230—44-kv transformers.

At Hanover Transformer Station, facilities, including power-line-carrier relaying, are being provided for two 230-kv lines from Douglas Point Nuclear Power Station. The lines are expected to be in service in August 1964 although they are being temporarily used now for the supply of power for construction at the generating station.

Eastern Region

A 300,000-kva, phase-shifting transformer has been installed in the interconnection with the Power Authority of the State of New York at St. Lawrence Transformer Station near Cornwall. It regulates the flow of circulating power that results when the interconnections with New York State utilities are closed, both at St. Lawrence Transformer Station and at Niagara Falls. In this way, larger total transfers to or from The Power Authority and Niagara-Mohawk Power

Corporation can be effected, with resulting greater benefits from the interconnections.

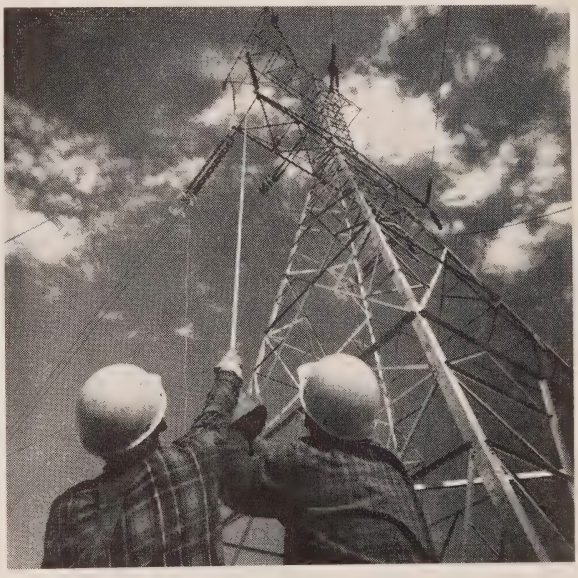
Work has begun for the changeover of St. Lawrence and Brockville Transformer Stations from 115—44-kv to 230—44-kv transformation. The capacity of each station will be increased by the replacement of two 25,000/41,666-kva, 115—44-kv transformers by two 50,000/83,333-kva, 230—44-kv transformers. Kingston-Gardiner Transformer Station was placed in service on the 115-kv network to supply 44-kv power to Kingston and the area west of Kingston.

With the placing in service of the third 7,000-kva, 115—44-kv transformer bank and the replacement of the 115-kv and 44-kv wood-pole structures with steel structures, the rehabilitation of Smiths Falls Transformer Station is now complete.

TRANSMISSION LINES

A net increase of 522 miles of transmission line during 1963 brought the total circuit miles at the end of the year to 18,643.

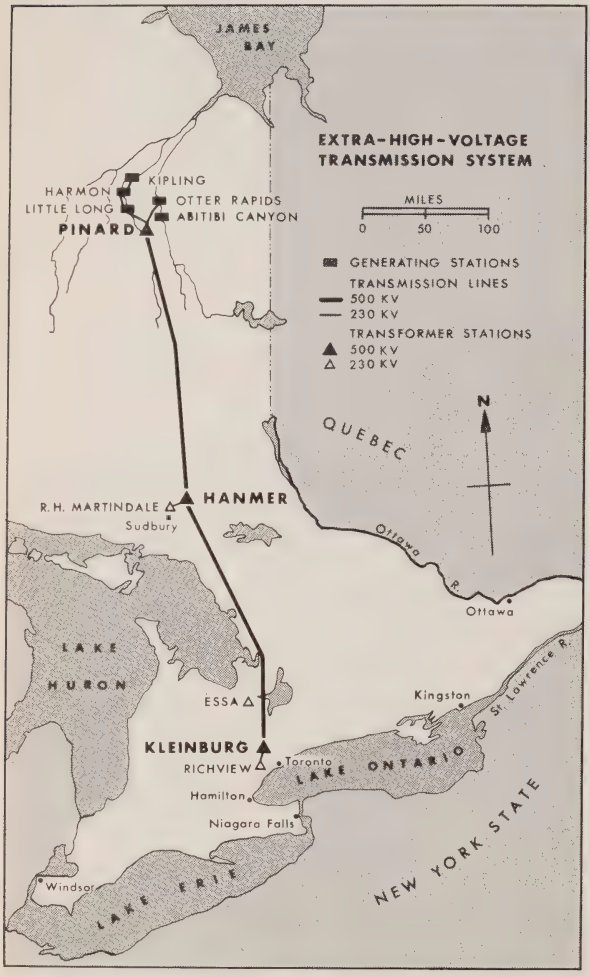
In this total for the first time are included 227 circuit miles of extra - high - voltage line designed for 500-kv operation. This is the first section of the single-circuit line which will eventually bring power at 500 kv from the far northern generating stations to load centres in the south. This section extends from Pinard Transformer Station near Abitibi Canyon Generating Station to Hanmer Transformer Station in the vicinity of Sudbury. It is at present operated at 230 kv and is connected through Pinard Transformer Station with 230-kv lines from Little Long Generating Station and Otter Rapids Generating Station at the northern end, and by a short double-circuit line to Martindale Transformer Station and the East System transmission facilities. It was placed in service in October 1963.



These men are awaiting a signal from a lineman, barely visible at the top of the tower, to lower materials on the completion of his work. The tower is at the southern end of the section of the ehv line which extends 235 miles southward from Pinard Transformer Station to Sudbury. This section of the line was placed in service at 230 kilovolts in October 1963 to deliver power from the newly completed generating stations on the Abitibi and Mattagami Rivers.

Survey has been completed for the extension of the ehv line to the future Kleinburg Transformer Station northwest of Toronto, and by the end of the year 45 miles of anchorages, 18 miles of towers, and 9 miles of stringing had

been completed. Guyed aluminum towers of new Y-shaped design have been used on this first part of the southern section. The towers are supported by 8 guys fastened to earth or rock anchorages. They are lighter than the V-shaped aluminum towers, and an evaluation of the tenders indicates that their total installed cost will be lower than that for steel towers. An improved design of suspension insulator was also used in the construction of the ehv line in 1963 without increase in cost. Design specifications have also been revised to permit the use of lighter steel towers using new types of steel which have higher strength to weight ratios.



EXTRA-HIGH-VOLTAGE TRANSMISSION — In 1963 a 235-mile section of transmission line of 500-kv construction was completed and placed in service at 230 kv between Pinard Transformer Station and Hanmer Transformer Station near Sudbury. Construction is proceeding on the second section extending from Hanmer Transformer Station to the site of the future Kleinburg Transformer Station northwest of Toronto.

The northern sector of the ehv line will be operated at 230-kv until Harmon Generating Station is placed in service in the summer of 1965, at which time the necessary transformation will be installed at Pinard and Hanmer Transformer Stations, and the line will be available for operation at 500-kv. By the summer of 1966, when the extension to Kleinburg Transformer Station has been completed, the entire 435 miles of ehv line will be available for service at 500-kv.

Thirty-one miles of 230-kv double-circuit transmission line were built during 1963 to link Douglas Point Nuclear Power Station with Hanover Transformer Station and the 230-kv network. Two additional 230-kv circuits between Lakeview Generating Station and A. W. Manby Transformer Station were constructed, the overhead section, 5 miles in length, being strung on extensions of structures which carry the first two circuits. A 2,200-foot underground section makes use of direct-buried oil-filled 2,750 mcm aluminum-sheathed cable.

The current-carrying capacity of 115-kv underground cables between Toronto-Strachan Transformer Station and Riverside Junction near the mouth of the Humber

River was decreased by the excessive depth (22 feet) to which they were buried by construction of the Gardiner Expressway. Installation has begun for an automatic system of cable-cooling by water, which will restore the cables to their rated capacity. The first installation will be approximately 500 feet in length.

Studies were carried out in 1963 regarding the need for additional power-supply facilities for the Hamilton area, particularly in the eastern sector. Evidently the most satisfactory method of meeting increased loads in this area is the construction of six miles of four-circuit, steel-tower, 230-kv transmission line from Glanford Junction to Hamilton-Beach Transformer Station, where step-down transformation to 115 kv will be installed. This will provide a second major means of supply, geographically well separated from the present lines across Burlington Beach, which are subject to heavy wind and icing conditions.

Total Milage of Transmission Lines and Circuits

Voltage and Structure	Line Route or Structure Miles		Circuit Miles	
	At Dec. 31, 1962	At Dec. 31, 1963	At Dec. 31, 1962	At Dec. 31, 1963
EAST SYSTEM				
500,000-volt aluminum or steel tower	.....	227.49	.....	227.49
230,000-volt steel tower	3,121.99	3,223.01	4,092.28	4,242.48
230,000-volt wood pole	252.01	252.01	252.01	252.01
230,000-volt underground cable	0.42	0.84	0.84	1.68
115,000-volt steel tower	1,983.02	1,980.44	3,290.41	3,290.50
115,000-volt wood pole	1,620.58	1,589.96	1,627.08	1,596.46
115,000-volt underground cable	27.41	27.41	60.36	60.36
60,000-volt steel tower	11.20	11.20	12.33	12.33
60,000-volt wood pole	3.31	3.31	3.31	3.31
44,000-volt and less wood and steel	5,947.39	6,140.82	6,449.24	6,636.77
Total—East System	12,967.33	13,456.49	15,787.86	16,323.39
WEST SYSTEM				
115,000-volt steel tower	420.66	419.80	623.28	622.42
115,000-volt wood pole	918.30*	918.30	918.30*	918.30
69,000-volt wood pole	203.72	203.72	203.72	203.72
44,000-volt and less wood pole	546.74	534.40	587.06	574.72
Total—West System	2,089.42	2,076.22	2,332.36	2,319.16
Total—East and West Systems	15,056.75	15,532.71	18,120.22	18,642.55

*The 918.30 circuit miles of 115-kv wood-pole line include 57.93 miles of 115-kv line operating at 44 kv which were formerly included with the 44-kv and less wood-pole line.

SECTION V

RESEARCH AND TESTING ACTIVITIES

THE staff of the Research Division provides technical services with respect to standards, specifications, and testing of equipment and materials, not only to the Commission's organization as a whole, but also indirectly to the municipal electrical utilities of the province and to other customers. Contacts with research and development agencies in Canada as well as in other countries, and co-operation with manufacturers provide access to valuable resources of information.

Among the achievements having some significance and perhaps more general interest, many are related either to new equipment design or to design improvements. A few of these are briefly described under the headings "Aids to Design", "Aids to Maintenance", and "Other Studies and Developments". More extensive details of some of these activities are published in the Ontario Hydro *Research Quarterly*.

Aids to Design

Seals for Airlocks at Nuclear Power Station

The atmosphere of the fuelling machine vault at Douglas Point Nuclear Power Station will consist of carbon dioxide and heavy-water vapour, while that of the relief chamber will consist of air and ordinary water vapour. For various reasons, any migration of the machine vault atmosphere to the relief chamber,

and vice versa, must not occur. The seals for the doors and other openings to the airlocks between the two chambers must therefore meet exacting requirements for long-term effectiveness. A silicone rubber was tentatively selected for the purpose from numerous prospective materials, because its pressure-deflection characteristics were acceptable, and it had the required durability potential. Complex leak-resistance tests conducted under service conditions verified the excellence of seals made with the silicone rubber.

Ozone Cracking of Rubber Products

There have been a number of occurrences of deterioration of rubber components in Commission installations as the result of cracking following exposure to atmospheric ozone. In a study of the problem, samples of various items involved — coal conveyor belts, rubber jackets for cables, and rubber washers for torsional vibration dampers—were subjected to the action of ozone in known concentrations. An outcome of this study was the preparation of purchase specifications designed to ensure adequate ozone resistance of many rubber products used by the Commission.

Certain synthetic resins, products of the plastics industry, when produced as foam, are particularly suitable for thermal insulation. The insulation effect is enhanced if in the cellular structure of the foam each cell is closed so that entrapped air is isolated. The laboratory equipment shown is being used to determine the closed content of plastic foam core specimens obtained during spray application of polyurethane to the reactor building dome at Douglas Point Nuclear Power Station and to the hydraulic gate housings at Little Long Generating Station.

Thermal Insulation of Hydraulic Gate Heater Housing

In 1961, a spray-applied urethane foam was developed for use as thermal insulation on the exterior of the reactor building dome at Douglas Point Nuclear Power Station. The success of the installation prompted studies regarding the feasibility of similarly treating the housings of heaters installed to prevent icing of the head-gates at Little Long Generating Station. The foam proved to be economical and particularly suitable for this purpose, not only because of its vapour-barrier, fire-retardant, and aging characteristics, but also because of its

superiority over conventional materials in convenience of application to the irregular surfaces of the housings.

Steels for Cold-Weather Exposure

Because brittle fracture of structural steel can occur at the low temperatures prevalent during the winter months at the Commission's work sites in northern Ontario, studies of the many factors involved in the selection of these steels have been intensified, particularly the study of low-temperature toughness. Tests at temperatures down to —100°F were performed in the laboratory on various specification steels and on steels that have failed in service through brittle fracture. There was a resulting recommendation that rimmed-quality steels be no longer used, since they are liable to a change in behaviour from ductile to brittle over ranges of decreasing temperatures. The better-quality steels suggested for use by the Commission, both for structural purposes and for line-hardware application, are now defined in Canadian Standards Association specifications.

Studies of Underground-Cable Backfill Materials

The load-carrying capability of buried high-voltage cable varies significantly with the thermal properties of the surrounding soil. Drying decreases the heat conductivity of soils in the vicinity of loaded cables, and may necessitate lowering the cable circuit rating. Special backfill materials are therefore used by some utilities to improve the thermal environment, often at relatively high cost.

In laboratory studies of the thermal behaviour of backfill materials, certain well-graded granular soils, and crushed stone screenings in particular, proved to be superior to fine-grain soils. Following the completion of the laboratory work, field tests were carried out to compare stone screenings with other local and special materials normally used as cable-trench backfill. A simulated cable installation, sections of which were backfilled with the materials under test, was kept under electrical load for a period of eighteen months. During this time the load was varied between wide extremes. The stone screenings maintained high thermal conductivity, while some of the conventional materials were not satisfactory.

Since stone screenings, a by-product of rock quarries, compare favourably in cost with conventional backfills, and particularly favourably with specially manufactured materials having similar properties, stone screenings may be used extensively in future high-voltage underground-cable installations.

Alkali-Carbonate Reaction in Concrete

Certain carbonate aggregates have reactive characteristics that are not revealed by standard acceptance tests, and these characteristics adversely affect the durability of concrete made from these materials. The National Research Council of Canada found evidence of these characteristics in stone obtained at Kingston from the Gull River formation. Since this formation is a source of aggregate at several

locations in southern Ontario, a detailed study of the formation as a whole was begun. This work, together with similar activity by other agencies on the North American Continent, indicates that the stone giving rise to the alkali-carbonate reaction is not restricted to the Kingston area. The studies will clearly establish which sources of aggregates should be either avoided or used only with special cement.

Water Cooling of High-Voltage Underground Cables

A basic system for automatic control of water-flow in underground cable-cooling installations was devised recently at the laboratory. In response to signals indicating cable load, and cable and earth temperatures, the system adjusts water-flow and provides annunciation of abnormal cable temperatures, water-flow failure, and water leaks. A system of this type was installed at the Riverside Junction terminal of the 115-kv cable circuits from Toronto-Strachan Transformer Station.

Interference with Temperature Measurements in Thermal Generating Stations

In thermal-electric generating stations, temperatures are measured and recorded by means of circuits comprising electric sensors connected by long leads to either multipoint recorders or high-speed data loggers. Problems arising because of induced interference from nearby electric power circuits were investigated. The studies were confined to cable leads in use at Lakeview Generating Station and to experimental leads installed at Richard L. Hearn Generating Station. The data gathered can be used in the design and selection of leads, temperature-measuring equipment, and data-logging equipment for future thermal-electric plants.

At Lakeview Generating Station, interference voltages were reduced to tolerable levels by several changes. One change involved the installation of a filter in the input circuit of each recorder and the replacement of the input transformer by another compatible with the filter. Another change required either the removal or the installation of a large capacitor between the recorder and ground, depending on whether the temperature sensor was grounded or ungrounded. These techniques are expected to find application in future installations.

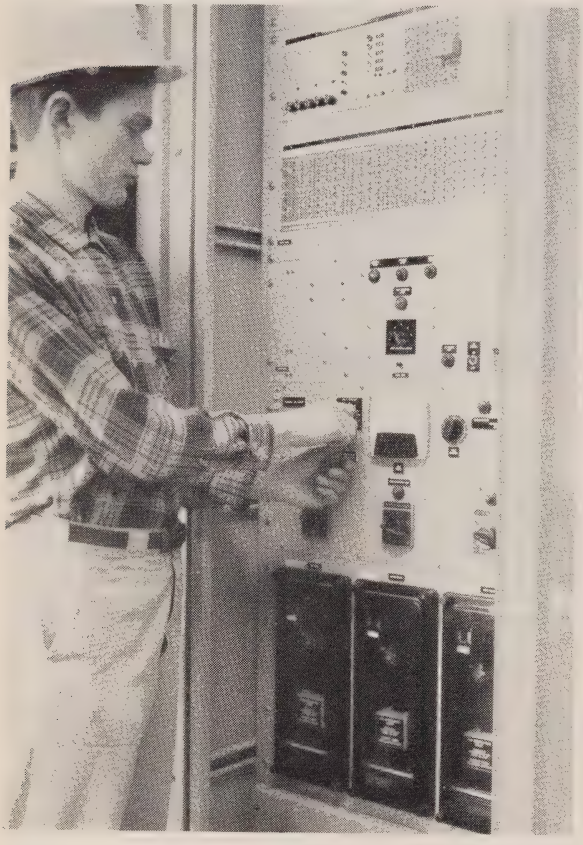
Surge Protection

In lightning and surge studies of protection requirements for ehv transmission lines and stations, surge propagation in stations was simulated by means of a novel low-cost analogue technique for which a model was built. In work related to other ehv surge requirements such as those of establishing safe and economical phase-conductor spacings and insulator-string and protective-gap lengths, co-operation with international agencies is being maintained.

Field investigations were made to determine the characteristics of switching-surge and fault-surge voltages on the metal sheaths of underground cables. The results were used in defining requirements for a device to protect the outer anti-corrosion jacket from the effects of such surges. Tests on prototype devices were begun.

Relays

Several uses of solid-state electronic techniques were made in power system protective relaying. For the Commission's ehv system, for instance, an overvoltage relay was developed in which transistors were incorporated in order to achieve characteristics unobtainable with electro-mechanical relays. In another instance, an electronic "Power Swing Relay", designed to operate in a manner similar to that of an analogue computer, was developed to predict instability that results from line faults on the ehv system, and to initiate sufficient generator tripping to maintain stability. Both relays are intended for use at Pinard Transformer Station, the northern terminal of the ehv system.



This small cabinet houses an overvoltage relay and a power-swing relay developed for use on the Commission's extra-high-voltage line. Solid-state techniques were used extensively in their design.

Facilities are now available for the testing of protective relays of various types, and for the study of different relaying schemes. These facilities provide for supplies of voltage and current in quantities and in proportions to simulate wide ranges of both normal and fault conditions on the Commission's system. Some relays tested will be new untried commercial devices, some the solid-state relaying elements now being developed by Ontario Hydro.

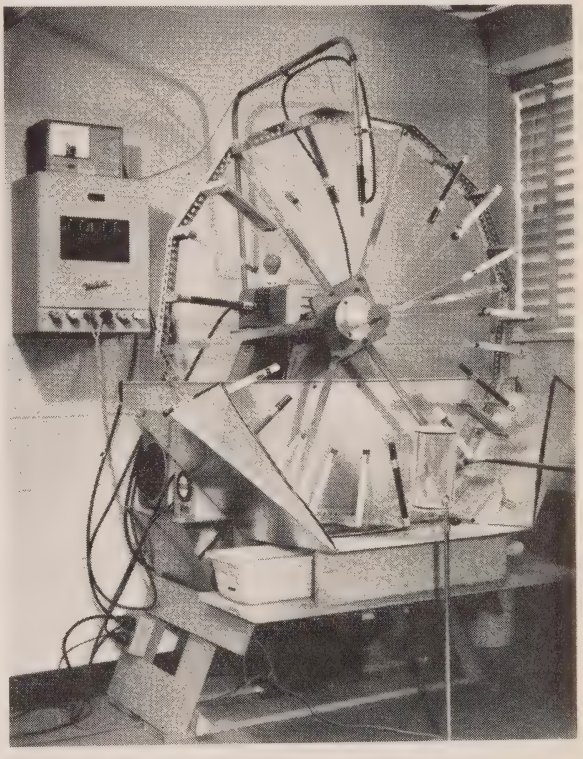
Dielectrics

Based on findings obtained with the use of equipment devised for accelerated appraisal of weather and soil-aging endurance of insulating materials, standard splicing and terminating methods for plastic cables of up to 27.6-kv rating were developed, thereby contributing to greater economy in underground-distribution costs. Studies continued on the basic mechanisms of insulation-surface leakage and breakdown under various conditions of humidity. With the co-operation of

the manufacturers, significant economies have been achieved from data obtained with the equipment installed for endurance testing of generator insulation. Advances made in continued testing for ionization deterioration of transformer insulation were applied to distribution-voltage instrument transformers and to ehv transformers.

Power Line Carrier

Further refinements in the application of power line carrier to the ehv system were made as a result of laboratory study and field testing. A novel cross-coupling scheme for the carrier, which results in significant improvements to the signal-transmission level, was devised. Also, tests carried out by the Commission, both in Canada and in the United States, showed that the degree of absorption of carrier signals by high-voltage transformers would be so slight that in certain instances line traps need not be used on high-voltage and extra-high-voltage circuits.



ACCELERATED TESTING OF TRACKING ENDURANCE OF INSULATING MATERIALS. Specimens of various organic insulating materials, in this instance cylindrical, are mounted radially on this wheel, four feet in diameter, for the purpose of testing their surface tracking resistance. With the wheel rotating 30 times per hour, the specimens pass in turn through water sprayed from a nozzle, while a charge of 20 kilovolts is continuously applied across each specimen between the supporting clamp and the inner electrode separated from it by a six-inch gap. The electric arc that develops on the surface of the insulation as it dries eventually leads to the breakdown of the material.

Aids to Maintenance

Engine Performance and Maintenance in Cold Environment

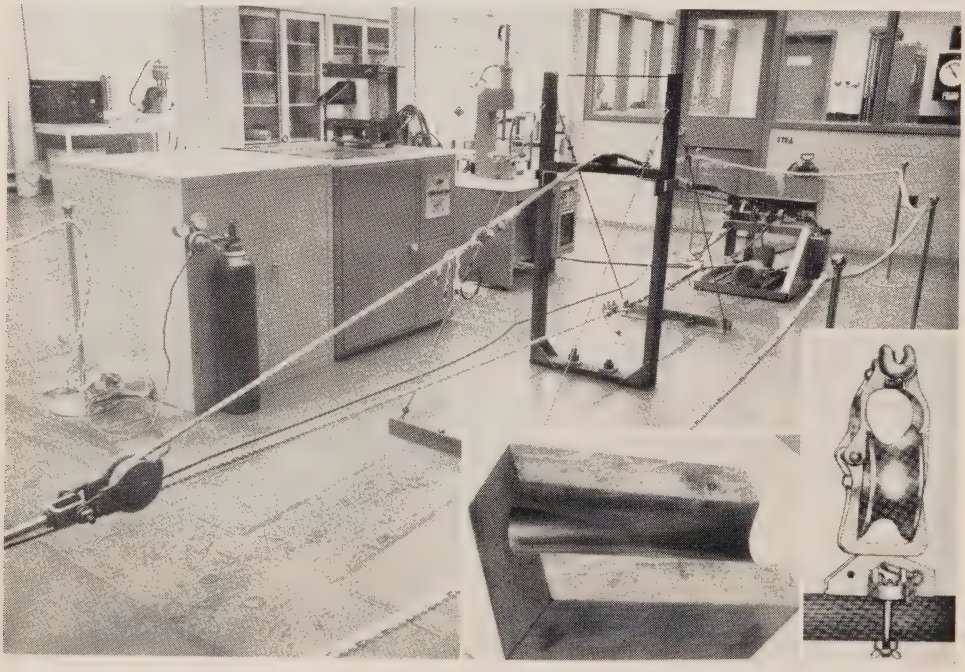
In northern Ontario, subzero temperatures have led to instances of high engine wear and bearing failures of transport and work equipment. Field and laboratory investigations showed the causes to be excessive crankcase-oil contamination and poor lubrication efficiency as results of low engine-operating temperatures. Methods were developed to improve engine performance and to reduce maintenance costs in low-temperature environments.

Transmission-Tower Cleaning and Painting

The high cost of the mechanical removal of dirt and rust from weathered galvanized transmission-line towers prior to their being painted led to the development of a new system for the rapid treatment of metal surfaces. The system involves the application of phosphoric acid thickened to the consistency of paint and made more effectively absorbed by the addition of a wetting agent. Further substantial savings resulted from the use, after tower cleaning, of a heavy zinc-dust-pigmented paint so formulated as to provide a coat of the required thickness with one application. The paint, of a metallic grey colour, provides galvanic protection for the metal. The need for more rapid application and for more uniform coatings led to the development of a portable, one-gallon, knapsack-type container from which the paint is pressure-fed to a brush specially designed for tower painting.

Insulating Oil

The laboratory staff assisted in studies to reduce the cost of maintenance of in-service tap-changer and circuit-breaker oils, and to ensure longer life for these oils. Field and laboratory methods were developed for obtaining the carbon contents of oils, and the physical and chemical properties of representative samples of service oils were determined. Limits established for the carbon contents of oils, both before and after filtering, should result in maintenance practices that are not only uniform but also less costly than those formerly used.



CONDUCTOR-STRINGING BLOCKS — With the greatly increased activity in line stringing, grooved non-rotating blocks have been proposed for use in certain instances as alternatives to conventional rotating blocks (right inset). Among the various materials appraised, oil-impregnated maple blocks (left inset) gave indications of their superiority and greater economy. They can be obtained with the conductor groove of the shape and size desired, and can be conveniently nailed to the tower crossarms in the manner shown in the test model.

Other Studies and Developments

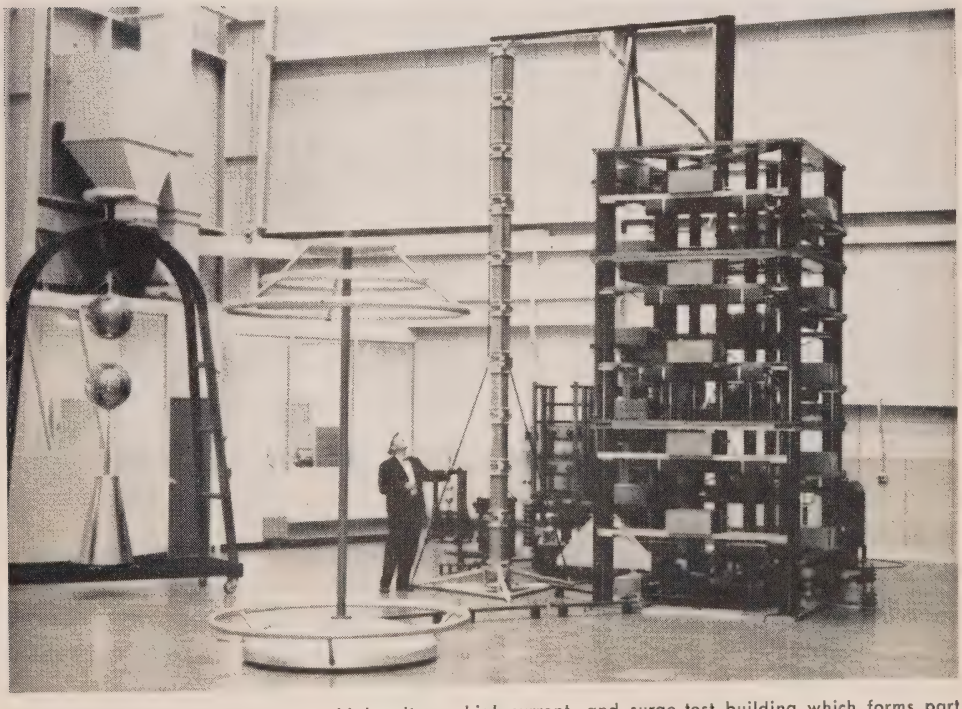
Electric Heating Applications

As an aid in studying the performance of electric air heaters, a method was devised to render visible the flow of hot air from the heaters. The method was useful in solving problems both of heater location and of design. Details of the method were supplied to the industry, and assistance in its application was extended to several manufacturers.

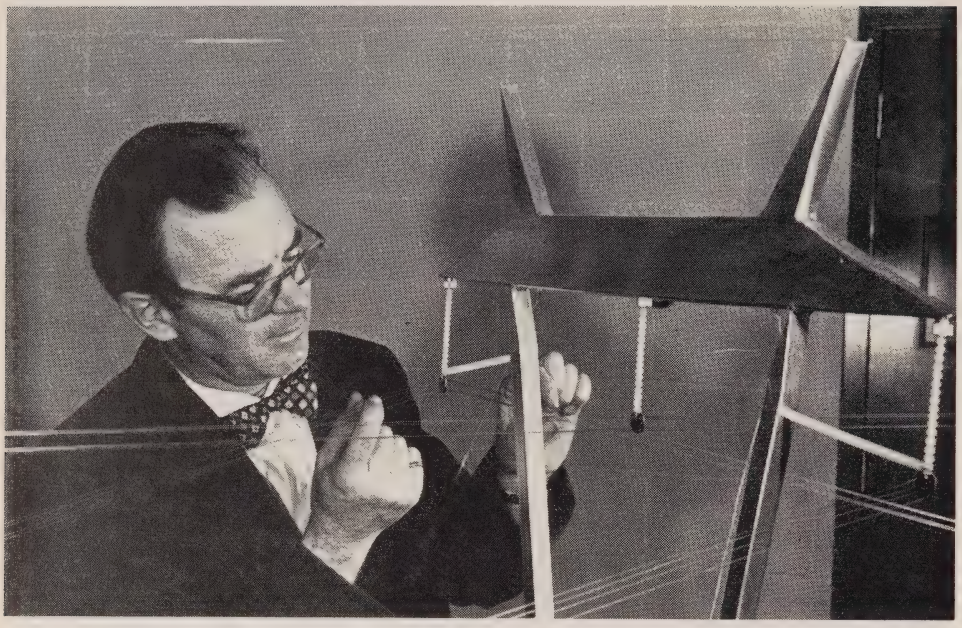
In studies being made of the performance and load characteristics of residential heat pumps in Ontario, conventional heating systems in the homes of ten Commission employees were replaced with commercial air-to-air units. The units will provide both winter heating and summer air-conditioning. The installations were completely instrumented to provide operating data under winter and summer conditions in 1963-64.

Avoidance of Arc Welding Hazards in Stations

Efforts are being made to devise ways of eliminating hazards to both personnel and equipment in stations from the 60-cycle and high-frequency currents used in arc welding of aluminum bus. Where circuit breakers and bus are connected,



HIGH-VOLTAGE TESTING — In a high-voltage, high-current, and surge-test building which forms part of the Ontario Hydro-W. P. Dobson Research Laboratory, a 1,500,000-volt surge generator designed and built by the Commission is shown together with auxiliary equipment. The shielded control room is in the background at the left. Surges simulating lightning can be applied to the insulation of equipment rated at up to 230,000 volts.



SCALE MODEL OF EHV LINE SECTION — Most of the problems likely to arise from the introduction of 500-kv transmission were anticipated by laboratory and field tests. The picture shows part of a 1 to 40 scale model used in several of these tests.

part or all of the 60-cycle welding current can flow through the primary windings of the current transformers in the breakers. The high secondary voltages induced could cause winding-insulation breakdown and also could be a hazard to personnel. The high-frequency currents could lead to damage of nearby electronic equipment.

One main safety measure recommended was that, of the many ground connections made, the connection between the ground terminal of the welding equipment and station ground be eliminated. Such a procedure, by preventing stray flow of welding currents, eliminates the hazards to personnel and to current transformers. Another measure recommended was that the leads from the welding equipment to the bus and to the welding electrode follow roughly the same route. This precaution prevents formation of a loop circuit for the high-frequency welding currents which could induce corresponding currents in nearby electronic circuits.

Impedance of Fractional-Horsepower Motors to "NEAR" Signals

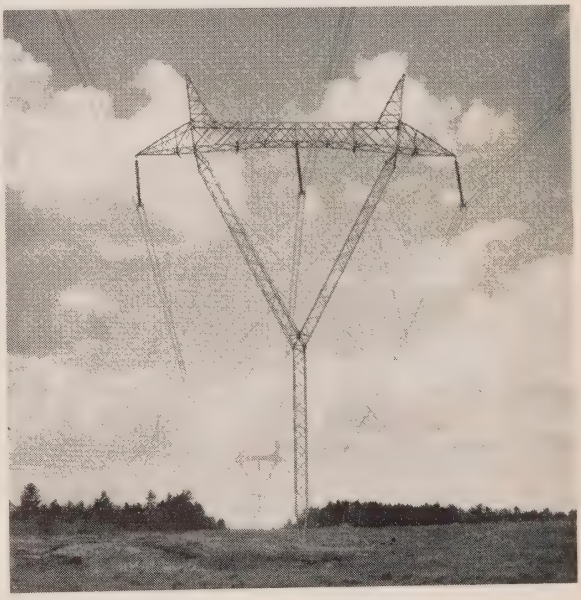
The National Emergency Alarm Repeater (NEAR) System, which would use power systems throughout North America to carry a signal warning of enemy attack, has been under development for some years. The system requires the installation on the high-voltage power system of signal generators which must be so designed that the NEAR signal in all homes connected to the power system will be of a suitable level. At times of peak power requirements, motor-imposed

demand represents about 15 per cent of the 60-cycle load, and possibly about one-half of the NEAR-frequency load. A check of NEAR-frequency impedances of motors was therefore required in order to ensure adequate warning-signal level.

Ten household fractional-horsepower motors, operated with 60-cycle power, were tested to determine their impedances to signals in the NEAR-frequency range (210 to 270 cycles). Since no standard test method was known, a suitable procedure had to be developed. The results generally corroborated previously reported data although some significant discrepancies were found.

Radial-Boom-Derrick Line Trucks

Radial-boom-derrick line trucks, first purchased in 1960, are gradually replacing the telescopic-A-frame trucks because they effect savings in pole-setting costs and permit greater flexibility in work methods. The derrick consists of a rotating boom that supports an earth auger, and a winch, both hydraulically powered. In co-operation with manufacturers, design improvements that provide even greater advantages are being adopted for later models.



EHV TRANSMISSION SOUTH OF SUDBURY — On the first section of the ehv transmission line extending south from Hanmer Transformer Station near Sudbury, guyed aluminum towers of a new Y-shape have been used. Present plans call for the installation of over 200 of these towers. Though the material used is more costly than its equivalent in steel, the lighter aluminum towers are more economical to transport and erect. They are thus competitive in cost with steel towers, particularly in areas difficult of access.

Lack of standards for evaluating units led to a careful comparison of manufacturers' ratings with results obtained in the field and in laboratory tests. The factors compared are related to derrick structural adequacy and truck stability under field conditions. The work revealed definite need not only for a uniform basis for unit rating, but also for operating standards. For instance, although loads of 1,500 to 2,000 pounds can be handled at a radius of 22 to 23 feet, and of up to 8,000 pounds at 4 to 5 feet, precautions, not specified by the manufacturers, must be observed. In addition to being used for materials handling, the radial-boom-derricks, on being fitted with fibre-glass boom extensions and with baskets, can be used to elevate personnel into position for such work as tree pruning and line maintenance. Personnel safety is therefore of prime importance in rating the units.

The results of the investigation will be of direct assistance in formulating safe operating practices and will provide guidance for future purchasing.

Inspection by TV and Photography

The use of equipment developed by the Commission to permit the photographic examination of conditions in otherwise inaccessible places is constantly increasing. A 2¾-inch-diameter television camera was used during the year for such purposes as the detection of slight but troublesome roughness in the interior of aluminum tubing employed as sheathing for 230-kv cables, and the recurring work involved in the inspection of the inside of steam pipes and sewers. A specially adapted cine-camera made possible an examination of the interior passages of certain pump casings in a nuclear power station. The examination confirmed that all metal particles and other debris suspected of being present had been removed by cleaning operations.

SECTION VI

STAFF RELATIONS

DURING 1963 the average number employed by the Commission was 14,387, including 12,124 regular and 2,263 temporary employees. Both segments of the employee population had declined in number from the 1962 levels of 12,294 regular and 2,626 temporary staff, the larger decline in the latter reflecting the termination or approaching termination of several construction projects where temporary staff are for the most part engaged.

The progressive application of automation to various functions, the use of more efficient transport and work equipment, and the introduction of generating units of much larger capacity have combined to curtail the growth in staff despite substantial increases in the scope of operations. In an effort to develop a more compact and efficient organization and to bring about economies in operation which will help to offset inevitable increases in the cost of power, the Commission has introduced administrative changes such as the enlargement of certain rural operating areas through the annexation of adjoining areas and has encouraged the application of the most modern techniques and equipment. During 1963, the progressive amalgamation of the East Central and Eastern Regions with headquarters at Belleville was an important change, having as its purpose a more efficient operation.

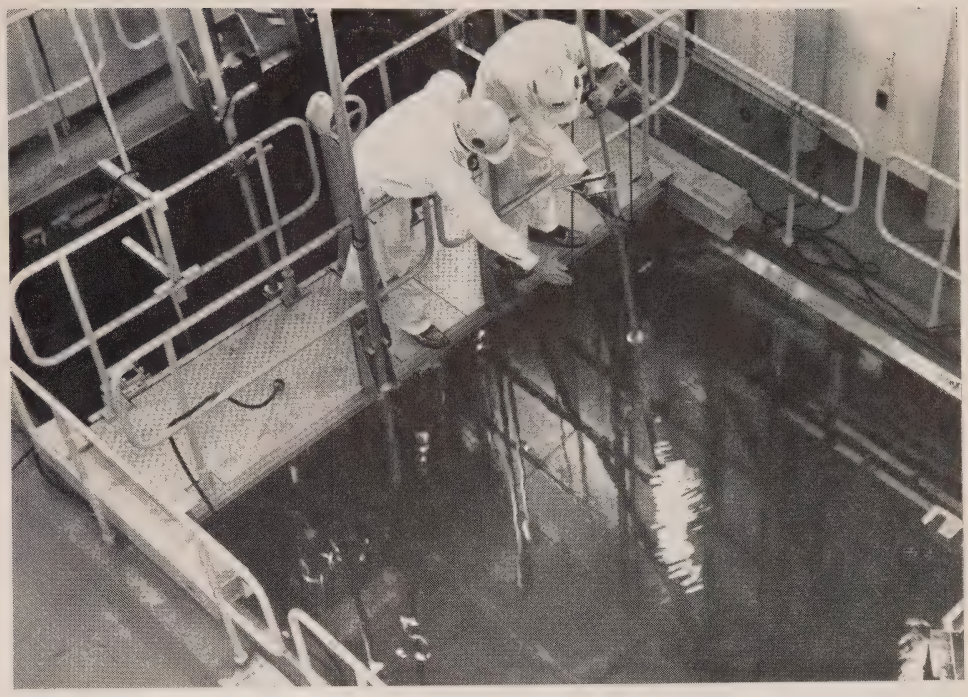
The efficiency of work crews improves with the increasing use of technologically advanced equipment such as the radial-boom-derrick, and this in turn

results in greater need to broaden the scope of operations for this equipment so that maximum returns are obtained from the capital investment. The extension and effective application of work measurement methods and the co-operative assistance of employees through participation in the Suggestion Plan also have indicated other operations where savings can be effected. It is gratifying to report that the large majority of those persons displaced by administrative or operational changes were satisfactorily placed elsewhere in the organization.

There is still a growing demand for employees having specialized technical training and skills, for example in data processing, and in thermal-electric or nuclear-electric operations. Graduates of technological institutes are qualified to undertake many of the technical jobs involved. Special recruiting was arranged for the engagement of 22 technicians in 1963 as compared with 7 in 1962, and some candidates for special training were recruited from other jobs within the Commission's organization.

The adaptability of the staff has been a notable feature in all of these changes. They have responded well to opportunities offered through Commission retraining programs. Over 175 persons participated in a line foremen's conference and a forestry mechanical equipment course. Quite apart from the normal arrangements made for local instruction to meet specific regional or divisional needs, over 800 persons took part in courses of training provided largely by the Commission, and of

PREPARATION FOR RIVER-BED EXCAVATION — These members of the Commission's Construction Division are shown at work late in the year on excavation in the Niagara River up stream from the falls. They are protected from the force of the current by a cofferdam.



NUCLEAR TRAINING — The man at the right, a trainee at the Commission's Nuclear Training and Recruitment Centre, is receiving instruction in the proper method of storing spent fuel. The 20,000-kilowatt Nuclear Power Demonstration station, near Rolphton, serves as a laboratory facility for the Centre, and its staff act as instructors.

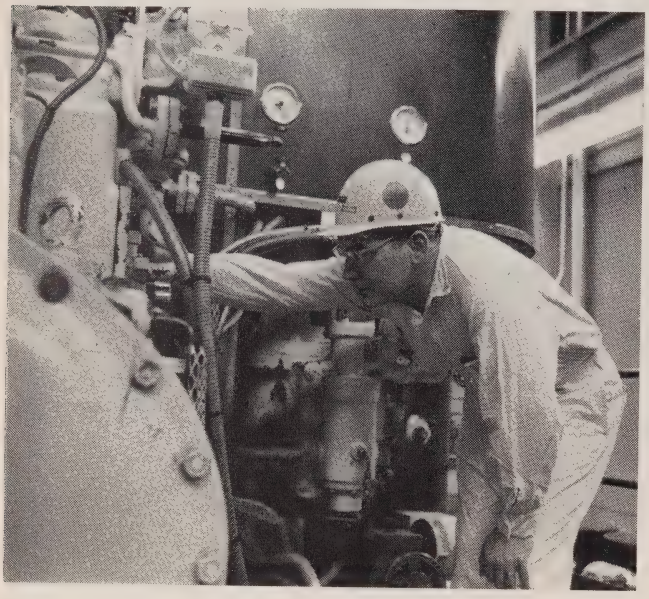
this group approximately 400 were management staff or prospective candidates for managerial positions. Some of the technical training would be in skills and techniques entirely unrelated to the participants' previous experience.

Large numbers of highly qualified staff are required for the operation of the Douglas Point Nuclear Power Station, and other nuclear-electric stations that may be constructed in the future. They are receiving training at the Nuclear Training and Recruitment Centre associated with the Nuclear Power Demonstration station near Rolphton. The operating staff of this station act as instructors, and the station itself provides facilities for practical training.

The 1963 course at Rolphton included 10 engineers, 30 operators, and 20 maintenance men. At the end of 1963 some of the trainees were placed in positions at the Nuclear Power Demonstration station or at Douglas Point. Standards and examinations for control room operators are set by the Atomic Energy Control Board and for other positions by the Commission.

During the year, 21 recent engineering graduates were enrolled in the Engineer Training Program, which offers an opportunity for general orientation to Commission operations prior to specific placement.

Some of the most highly skilled persons in certain sectors of the Commission's work are on special assignments in Ghana, Iran, Lebanon, and Trinidad, and in this way are rendering valuable assistance to these countries. A total of 17 visitors from India, Pakistan, Ceylon, Uganda, and Belgium have worked with the Commission for varying periods of from a few months to a year acquiring experience they can put to effective use on return to their homelands. Arrangements will be made in 1964 to permit the training of operating personnel for the Akosombo Generating Station now under construction on the Volta River in Ghana.



This trainee at the Commission's Nuclear Training and Recruitment Centre is checking a turbine bearing at the Nuclear Power Demonstration station. The Centre was established by the Commission at the beginning of 1963 in order to train staff in the relatively new skills required for the operation of nuclear power stations.

The Commission agreed, at the request of the Volta River Authority, to provide personnel to assist in the commissioning of the Akosombo Station and an associated 161-kv transmission system. As previously reported, a team from the Commission's staff had been sent to Iran in 1960 to carry out the commissioning of the Dez Generating Station and the training of Iranian personnel to operate it. The team in Ghana represents a somewhat broader cross-section of operation, maintenance, and administrative staff than the earlier Dez group, and personnel from Ghana are planning to spend some months in training in Ontario in preparation for taking over full responsibility for the Volta River Authority's system in Ghana.

Accident Prevention

By the American Standards Association method of measurement, a lost-time injury is one entailing an absence from work of one complete shift. The severity of the injury is rated according to a graduated scale established for various types of injury and expressed in terms of days lost per million man-hours worked.

In reducing the frequency of lost-time injuries to eleven per million man-hours worked from thirteen per million in 1962, the Commission in 1963 again improved upon the average of the preceding five years. The severity rate was 1,200 as compared with 1,400 in 1962. The Eastern Region again, this year for

the fourth time, achieved recognition from the National Safety Council for the completion between November 9, 1962, and May 17, 1963, of one million man-hours without a lost-time injury.

For the ninth successive year, the motor vehicle accident-frequency rate was reduced in 1963 to a new low of ten per million miles driven.

Two of the Commission's employees, out of their personal experience, can attest to the efficacy of hard hats in preventing serious injury, and one to the value of wearing protective eye equipment. Their membership in the company of those who have so obviously benefited from the observance of safety rules was recognized respectively by Turtle Club and Wise Owl awards.

Labour Relations

Groups of the Commission's employees are collectively represented for the most part by three major agencies: the Ontario Hydro Employees' Union (Local 1000, Canadian Union of Public Employees — CLC), The Canadian Union of Operating Engineers, and the Allied Construction Council. The Employees' Union represents approximately 8,200 operating, maintenance, clerical, and technical employees, and the Allied Council is an association of craft unions representing Commission employees of the Construction Division engaged in construction activities. The jurisdiction of both agencies is on a province - wide basis. The Canadian Union of Operating Engineers represents employees at Richard L. Hearn and J. Clark Keith Generating Stations and the stationary engineers at Head Office.

The Commission makes extensive use of pre-fabricated steel buildings at its construction projects because of the ease with which they can be assembled, dismantled, and moved. With the completion of construction work at Otter Rapids Generating Station, this building is being relocated at the site for the use of operating staff when they visit this unattended station.

The agreement renewed in 1963 with the Allied Council covers a period of three years and eight months to September 30, 1966. An agreement reached with The Canadian Union of Operating Engineers, which replaced The International Union of Operating Engineers as bargaining agent for the stationary engineers at Head Office, extends to July 31, 1964. Otherwise, agreements already operative continued in force throughout 1963.

Medical Services

The general health of Commission employees remained throughout the year at a high level.

Refinements are continuously introduced into the program for the maintenance and improvement of employee health in accordance with new developments in industrial medicine or the requirements of the Commission's changing

PENSION AND INSURANCE FUND

SAVINGS AND INSURANCE FUND

STATEMENT OF ASSETS

as at December 31, 1963

	Pension and Insurance Fund	Savings and Insurance Fund	Total
	$	$	$
Investments (Note 1):			
Bonds and stocks—			
Federal and provincial government and government-guaranteed bonds (par value $124,352,000)	122,013,701	405,375	122,419,076
Corporation bonds (par value $11,725,000)	11,706,251	.....	11,706,251
Stocks	8,609,267	.....	8,609,267
Total bonds and stocks (approximate market value $138,241,000)	142,329,219	405,375	142,734,594
First mortgages on real estate	9,101,373	.....	9,101,373
Real property leased to others	424,312	.....	424,312
Total investments	151,854,904	405,375	152,260,279
Accrued interest	1,713,749	2,558	1,716,307
Receivable from The Hydro-Electric Power Commission of Ontario	1,311,813	114,804	1,426,617
Total funds	154,880,466	522,737	155,403,203

NOTES

1. In the above statement, bonds are included at amortized cost, stocks at cost, first mortgages on real estate at balance of principal outstanding, and real property at cost less amortization.
2. Payments during 1963 into the Pension and Insurance Fund were made in amounts not less than those recommended by a consulting actuary, and payments during the year into the Savings and Insurance Fund were made as required by the Plan.

AUDITORS' REPORT

We have examined the statement of assets of The Hydro-Electric Power Commission of Ontario Pension and Insurance Fund and Savings and Insurance Fund as at December 31, 1963. Our examination included a general review of the accounting procedures and such tests of accounting records and other supporting evidence as we considered necessary in the circumstances.

In our opinion the accompanying statement presents fairly the assets of the Funds as at December 31, 1963.

CLARKSON, GORDON & CO.,
Chartered Accountants.

Toronto, Canada,
June 26, 1964.

organization. During the year observations were made on the effect of organizational changes upon the emotional health of employees.

The acceleration in nuclear-electric activity has demanded increased attention to radiation protection. Radiation Protection Regulations prepared by the Medical Services Division, and dealing with operations in nuclear-electric generating stations, were published and distributed early in 1963. Training in radiation protection continued for nuclear generating staff.

A new booklet on artificial respiration was published during 1963.

The field hospital at Little Long Generating Station provided medical care for employees at the project and their families, numbering in all about 1,500 persons. Medical-aid posts were maintained at Douglas Point, at Lakeview Generating Station, at certain isolated locations, and particularly along the route of ehv line construction where mobility of service is especially important. Fortunately, the incidence of emergencies due to illness or accident has been low, but vehicles, helicopters, and propeller aircraft have always been available as required for emergency evacuation from isolated areas. Employees are encouraged to take advantage of consultative and examination services wherever these are made available through the Commission's medical and nursing organization. The response on the part of the staff is an encouraging indication of the value they attach to these services.

Pension and Insurance Funds

The Pension Fund and the Employees' Savings and Insurance Fund, both held in trust by the Commission for the benefit of the employees, stood respectively at $154,880,000 and $522,700 at December 31, 1963.

APPENDIX I—OPERATIONS

THE tables in Appendix I are supplementary to the descriptive information on the year's operations given in Section I, and to information relating to the delivery of power and energy in wholesale quantities given in Section III.

The table of power resources and requirements gives for each system and in total the primary peak requirements for the month of December, and the dependable capacity of the Commission's resources at the time these peak requirements occurred. A separate table on pages 88 and 89 gives the December dependable capacity and maximum output of each Commission-owned station and each source of purchased power. The dependable capacity of a station is the net output which it can be expected to supply at the time of the system primary peak requirements, assuming that all units are available and that the supply of water is normal. This capacity may be recalculated from time to time in accordance with changing conditions. The capacity of a source of purchased power is based on the terms of the purchase contract.

The Analysis of Energy Sales on pages 92 and 93 shows how the kilowatt-hours generated or purchased by the Commission and the associated municipal utilities were distributed to the various classes of ultimate customers or to interconnected systems.

Statistics of peak loads and capacities are given, as elsewhere in the Report, in kilowatts rather than in horsepower. The kilowatt figures may be converted to horsepower by assuming that one horsepower is equivalent to 0.746 kilowatts.

THE COMMISSION'S POWER RESOURCES—1963

		Dependable Capacity*	Maximum Output*	Annual Energy Output (net)
East System		kw	kw	kwh
River	*Hydro-Electric Generating Stations*			
Niagara	‡Sir Adam Beck-Niagara No. 1	440,000	442,000	2,957,708,900
	Sir Adam Beck-Niagara No. 2	1,335,000	1,278,000	6,860,773,100
	Pump-Generating Station	150,000	151,000	*86,131,900*
	†Ontario Power	118,000	121,000	55,153,000
	†Toronto Power	.....	50,000	242,100
Welland Canal	DeCew Falls No. 1	26,000	33,000	134,870,000
	DeCew Falls No. 2	130,000	135,000	841,303,300
	Adjustment to Niagara River stations to compensate for use of water by Ontario Hydro rather than by another producer	*75,000*	.....	.....
Muskoka	Ragged Rapids	7,500	8,250	30,596,900
	Big Eddy	7,100	8,400	24,640,940
South Muskoka	South Falls	4,200	4,350	25,087,020
	Trethewey Falls	1,600	1,600	9,127,200
	Hanna Chute	1,200	1,200	7,678,780
Beaver	Eugenia	5,400	5,080	17,677,000
Severn	Big Chute	4,300	4,320	24,922,400
Saugeen	Hanover	250	128	749,500
Trent	Heely Falls	11,150	11,700	68,885,210
	Ranney Falls	8,350	8,665	46,811,040
	Meyersburg	5,100	5,775	34,861,590
	Sidney	3,350	3,550	18,946,200
	Hagues Reach	3,250	3,680	23,339,200
	Seymour	2,950	3,290	18,409,440
	Frankford	2,550	2,600	14,169,600
	Sills Island	1,550	870	5,470,800
Otonabee	Auburn	1,750	1,920	10,324,880
	Lakefield	1,650	1,800	9,629,580
St. Lawrence	Robert H. Saunders-St. Lawrence	659,000	747,000	5,387,393,000
Ottawa	Des Joachims	372,000	375,000	1,651,316,900
	Otto Holden	210,000	224,000	798,693,800
	Chenaux	117,000	125,800	555,019,800
	Chats Falls (Ontario half)	82,000	86,000	423,574,300
Madawaska	Stewartville	63,000	63,800	208,367,700
	Barrett Chute	42,000	41,800	190,289,800
	Calabogie	4,400	4,560	27,442,660
Mississippi	High Falls	2,450	2,750	12,824,640
	Galetta	800	705	4,198,540
Rideau	Merrickville	900	630	2,753,270
Abitibi	‡Abitibi Canyon	232,000	187,400	1,042,827,800
	Otter Rapids	180,700	166,000	466,497,400
Mississagi	George W. Rayner	47,000	46,900	207,192,200
	Red Rock Falls	42,200	41,520	121,918,600
Mattagami	Little Long	114,000	125,500	83,717,714
	†Wawaitin	10,800	10,350	59,776,788
	†Lower Sturgeon	6,000	6,000	42,786,875
	†Sandy Falls	2,700	2,800	20,528,076
Montreal	Upper Notch	8,400	8,000	45,470,000
	Hound Chute	3,600	3,680	26,117,600
	Indian Chute	3,000	1,600	17,023,520
	Fountain Falls	2,000	2,000	16,097,960
Wanapitei	Stinson	5,700	4,050	19,537,340
	Coniston	4,100	3,720	20,282,340
	McVittie	2,200	2,200	10,960,260
Matabitchuan	Matabitchuan	10,000	10,240	48,655,440
Sturgeon	Crystal Falls	8,200	3,500	32,476,700
South	Nipissing	1,600	1,610	7,917,590
	Elliott Chute	1,400	1,430	3,069,245
	Bingham Chute	900	910	2,488,900
Total hydro-electric—East System		4,437,250	.....	22,712,462,538
Location	*Thermal-Electric Generating Stations*			
Windsor	J. Clark Keith	250,000	190,000	726,216,200
Toronto	Richard L. Hearn	1,200,000	1,102,500	4,341,032,500
	Lakeview	564,000	571,000	2,570,684,300
Rolphton	Nuclear Power Demonstration	.....	21,500	87,364,200
Chapleau	Chapleau (diesel-electric)	1,000	712	1,625,600
Total thermal-electric—East System		2,015,000	.....	7,726,922,800
Total generated—East System		6,452,250	.....	30,439,385,338

THE COMMISSION'S POWER RESOURCES—1963

		Dependable Capacity*	Maximum Output*	Annual Energy Output (net)
		kw	kw	kwh
East System—Continued				
	Sources of Purchased Power			
Detroit Edison Company		.....	225,000	822,927,000
Niagara Mohawk Power Corporation		.....	390,000	1,772,148,000
Canadian Niagara Power Company Limited		15,000	0	986,000
Power Authority of the State of New York		.....	550,000	238,601,000
Quebec Hydro-Electric Commission		426,000	670,100	3,553,805,340
Maclaren-Quebec Power Company		93,000	97,000	492,930,000
Ottawa Valley Power Company		82,000	86,000	425,166,700
Abitibi Power and Paper Company, Limited		.....	13,500	8,719,280
Great Lakes Power Corporation, Limited		.....	4,000	7,762,000
Miscellaneous (relatively small suppliers)		1,500	36,795	34,547,210
Total purchased—East System		617,500	.....	7,357,592,530
West System				
River	*Hydro-Electric Generating Stations*			
Nipigon	Pine Portage	119,200	127,000	694,836,650
	Cameron Falls	76,700	75,500	471,693,800
	Alexander	60,900	63,900	357,288,920
English	Caribou Falls	79,300	78,800	546,386,000
	Manitou Falls	65,700	68,850	416,520,000
	Ear Falls	15,900	16,100	119,156,400
Kaministikwia	Silver Falls	45,100	46,000	177,970,800
	Kakabeka Falls	25,000	23,960	137,375,100
Winnipeg	Whitedog Falls	61,700	60,600	410,755,000
Aguasabon	Aguasabon	44,000	46,900	270,804,600
Albany	Rat Rapids	.....	200	1,295
Total hydro-electric—West System		593,500	.....	3,602,788,565
Location	*Thermal-Electric Generating Stations*			
Fort William	Thunder Bay	93,000	0	14,391,800
Total generated—West System		686,500	.....	3,617,180,365
	Sources of Purchased Power			
Manitoba Hydro-Electric Board		.....	35,300	57,026,951
Total purchased—West System		.....	.....	57,026,951
Total generated		**7,138,750**	.....	**34,056,565,703**
Total purchased		**617,500**	.....	**7,414,619,481**
Total generated and purchased		**7,756,250**	.....	**41,471,185,184**

*The power capacity and output referred to in this table are the 20-minute peaks for the month of December. Since the various maximum outputs do not coincide, their sum is not the peak load of the system.

†25 cycles.

‡25 and 60 cycles.

POWER RESOURCES

		December Dependable		
		Commission Stations		
		Hydro-Electric	Thermal-Electric†	Total
		kw	kw	kw
East System	1963	4,437,250	2,015,000	6,452,250
	1962	4,135,550	1,741,000	5,876,550
Net increase		301,700	274,000	575,700
West System	1963	593,500	93,000	686,500
	1962	593,500	.....	593,500
Net increase		.....	93,000	93,000
Total	**1963**	**5,030,750**	**2,108,000**	**7,138,750**
	1962	**4,729,050**	**1,741,000**	**6,470,050**

*The capacities shown are those available for a 20-minute period at the times of system primary peak demand in December, the capacity of sources purchased power being based on the terms of the purchase contract. Requirements shown are the December coincident peaks for each system and their arithmetic sum.

Energy Made Available by the Commission

	1962		1963		Increase or *Decrease*
	kwh		kwh		per cent
East System					
Generated (net)					
hydro-electric	24,568,142,128		22,712,462,538		*7.6*
thermal- and diesel-electric	3,665,306,000		7,726,922,800		110.8
Total generated	28,233,448,128		30,439,385,338		7.8
Purchased	8,240,573,103		7,357,592,530		*10.7*
Primary		33,030,430,007		34,872,790,819	5.6
Secondary		3,443,591,224		2,924,187,049	*15.1*
Total	36,474,021,231	36,474,021,231	37,796,977,868	37,796,977,868	3.6
West System					
Generated (net)					
hydro-electric	3,341,848,490		3,602,788,565		7.8
thermal-electric	12,002,000		14,391,800		19.9
Total generated	3,353,850,490		3,617,180,365		7.9
Purchased	56,625,843		57,026,951		.7
Primary		2,752,225,157		2,771,734,954	.7
Secondary		658,251,176		902,472,362	37.1
Total	3,410,476,333	3,410,476,333	3,674,207,316	3,674,207,316	7.7
Total					
Generated (net)					
hydro-electric	27,909,990,618		26,315,251,103		*5.7*
thermal- and diesel-electric	3,677,308,000		7,741,314,600		110.5
Total generated	31,587,298,618		34,056,565,703		7.8
Purchased	8,297,198,946		7,414,619,481		*10.6*
Primary		35,782,655,164		37,644,525,773	5.2
Secondary		4,101,842,400		3,826,659,411	*6.7*
Total	**39,884,497,564**	**39,884,497,564**	**41,471,185,184**	**41,471,185,184**	**4.0**

AND REQUIREMENTS

Capacity*				
Sources of Purchased Power	Total Dependable Capacity*	Primary Power Requirements*	Reserve	Ratio of Reserve to Requirements
kw	kw	kw	kw	per cent
617,500	7,069,750	6,351,426	718,324	11.3
617,500	6,494,050	5,857,241	636,809	10.9
.....	575,700	494,185	.....	....
.....	686,500	445,480	241,020	54.1
.....	593,500	435,710	157,790	36.2
.....	93,000	9,770	.....	....
617,500	**7,756,250**	**6,796,906**	‡	‡
617,500	**7,087,550**	**6,292,951**	‡	‡

‡There is no interconnection between the East and West Systems.
†Includes diesel-electric.

ANALYSIS OF

by the Commission and Associated

	Sales by Associated Municipal Electrical Utilities Listed in Statement A
	kwh
Ultimate use:	
Residential service	8,119,816,590
Summer service	.....
Total sales residential-type service	8,119,816,590
Commercial service	3,915,318,659
Industrial power service—primary	9,558,675,292
—secondary	.....
Farm	.....
Street Lighting	310,833,149
Unclassified as to ultimate use:	
To interconnected systems for resale—primary	.....
—secondary	.....
Total sales to ultimate customers and for resale	21,904,643,690
Adjustments:	
Municipality served as direct customer	*1,625,600*
Distribution losses and unaccounted for—M.E.U.	871,372,551
Generated by M.E.U. listed in Statement A	*203,712,365*
Purchased by M.E.U. listed in Statement A from sources other than the Commission	*198,434,455*
Commission sales to municipalities and to direct and retail customers	22,372,243,821
Distribution losses and unaccounted for—Commission	
Transmission losses and unaccounted for—Commission	
Generated and purchased by the Commission	

ENERGY SALES

Municipal Electrical Utilities during 1963

Sales by The Hydro-Electric Power Commission of Ontario			
To Retail Customers			
In Certain Towns and Villages Served by Commission Distribution Facilities	In Rural Areas	To Direct Customers	Total
kwh	kwh	kwh	kwh
135,784,340	1,299,169,800	.....	9,554,770,730
.....	96,694,400	.....	96,694,400
135,784,340	1,395,864,200	.....	9,651,465,130
68,013,650	383,400,200	.....	4,366,732,509
23,200,260	555,322,000	8,277,522,213	18,414,719,765
.....	.....	597,353,624	597,353,624
.....	1,058,604,500	.....	1,058,604,500
3,481,100	16,205,400	.....	330,519,649
.....	.....	428,988,696	428,988,696
.....	.....	3,148,710,534	3,148,710,534
230,479,350	3,409,396,300	12,452,575,067	37,997,094,407
.....	.....	1,625,600	.....
.....	.....	.....	871,372,551
.....	.....	.....	*203,712,365*
.....	.....	.....	*198,434,455*
230,479,350	3,409,396,300	12,454,200,667	38,466,320,138
12,964,471	255,385,858		268,350,329
			2,736,514,717
			41,471,185,184

APPENDIX II—FINANCIAL

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FIXED

Statement Showing Changes during

Property	Balance December 31, 1962	In Changes	
		Placed in Service	Equipment Relocated and Reclassified
	$	$	$
Power Supply Facilities			
Hydro-Electric Generating Stations			
Niagara River			
Sir Adam Beck-Niagara No. 1	87,058,162	124,792	.....
Sir Adam Beck-Niagara No. 2	265,231,837	532,048	*9,681*
Pumping-Generating Station	40,237,197	9,224	.....
River Remedial Works and Control Structure	7,227,906	1,886,806	.....
Ontario Power	21,985,998	8,054	.....
Toronto Power	11,547,825	.....	.....
Welland Canal			
DeCew Falls	27,464,146	522	.....
St. Lawrence River			
Robert H. Saunders-St. Lawrence	301,507,584	216,534	.....
Ottawa River			
Des Joachims	74,661,541	147,505	*1,650*
Otto Holden	58,835,004	81,113	1,650
Chenaux	29,735,643	50,850	.....
Chats Falls	8,277,143	18,858	.....
Ogoki Diversion	5,052,955		
Madawaska River			
Stewartville	12,546,464	*1,733*	.....
Barrett Chute	4,879,670	.....	.....
Abitibi River			
Abitibi Canyon	21,601,491	1,208,865	.....
Otter Rapids	28,009,536	4,686,857	.....
Mississagi River			
George W. Rayner	18,572,260	10,346	.....
Red Rock Falls	16,876,557	12,071	.....
Mattagami River			
Little Long	.....	45,138,681	.....
Harmon	.....	.....	.....
Kipling	.....	.....	.....
Nipigon River			
Pine Portage	31,981,260	3,113	.....
Cameron Falls	15,591,211	16,856	.....
Alexander	11,810,793	3,223	.....
English River			
Caribou Falls	23,896,696	167,476	111,441
Manitou Falls	15,516,556	.....	1,780
Kaministikwia River			
Silver Falls	15,950,073	52,649	.....
Winnipeg River			
Whitedog Falls	21,247,489	174,203	*113,221*
Aguasabon River			
Aguasabon	12,698,461	114,164	.....
Other properties	54,550,910	2,732,829	60,116
Total Hydro-Electric Generating Stations	1,244,552,368	57,395,906	50,435

ASSETS

Year 1963 and Balances at December 31, 1963

Service during Year		Under Construction December 31, 1963	Total Fixed Assets December 31, 1963	Expenditures during 1963
Sales and Retirements	Balance December 31, 1963			
$	$	$	$	$
125,638	87,057,316	849,871	87,907,187	720,250
571,248	265,182,956	441,301	265,624,257	508,936
11,137	40,235,284	125,257	40,360,541	101,198
.....	9,114,712	1,022,467	10,137,179	1,181,807
1,000	21,993,052	41,982	22,035,034	50,036
1,086	11,546,739	.....	11,546,739	.....
64,670	27,399,998	18,372	27,418,370	18,894
150,561	301,573,557	55,875	301,629,432	230,268
1,717	74,805,679	23,665	74,829,344	161,793
.....	58,917,767	60,091	58,977,858	135,444
6,410	29,780,083	84	29,780,167	50,664
3,070	8,292,931	10,830	8,303,761	*68,187*
.....	5,052,955	.....	5,052,955	.....
.....	12,544,731	.....	12,544,731	*1,733*
.....	4,879,670	.....	4,879,670	*250*
4,399	22,805,957	419,137	23,225,094	1,541,965
.....	32,696,393	421,874	33,118,267	1,551,470
16,705	18,565,901	27,004	18,592,905	23,522
.....	16,888,628	2,241	16,890,869	8,871
.....	45,138,681	979,510	46,118,191	5,051,657
.....	.....	7,561,870	7,561,870	7,498,053
.....	.....	1,354,111	1,354,111	1,354,111
.....	31,984,373	11,587	31,995,960	7,470
6,550	15,601,517	30,178	15,631,695	29,567
26,056	11,787,960	182,912	11,970,872	182,806
.....	24,175,613	15,444	24,191,057	269
.....	15,518,336	40	15,518,376	40
.....	16,002,722	1,942	16,004,664	*625*
.....	21,308,471	15,445	21,323,916	9,017
114,164	12,698,461	17,933	12,716,394	17,945
801,701	56,542,154	4,458,410	61,000,564	2,794,844
1,906,112	1,300,092,597	18,149,433	1,318,242,030	23,160,102

FIXED

Statement Showing Changes during

Property	Balance December 31, 1962	In Changes: Placed in Service	In Changes: Equipment Relocated and Reclassified
	$	$	$
Power Supply Facilities (Continued)			
Thermal-Electric Generating Stations			
J. Clark Keith	46,511,646	41,455	.....
Richard L. Hearn	146,566,136	98,087	340
Lakeview	39,110,750	39,003,475	.....
Thunder Bay	.....	27,000,000	.....
Douglas Point Nuclear Power Station—Ontario Hydro Contribution	.....	.....	.....
Other properties	960,745	84,303	*3,803*
Total Thermal-Electric Generating Stations	233,149,277	66,227,320	*3,463*
Total Generating Stations	1,477,701,645	123,623,226	46,972
Transformer Stations	280,448,001	12,470,853	4,553
Transmission Lines	286,659,106	32,999,788	72,416
Communication Equipment	13,455,895	359,356	*24,379*
Retail Distribution Plant and Equipment	292,249,064	18,679,790	*28,143*
Total Power Supply Facilities	2,350,513,711	188,133,013	71,419
Administrative and Service Land, Buildings, and Equipment			
Land and Buildings	31,135,249	1,049,650	*71,419*
Office and Service Equipment	10,060,821	1,632,258	.....
Total Administrative and Service Land, Buildings, and Equipment	41,196,070	2,681,908	*71,419*
Total Fixed Assets	2,391,709,781	190,814,921	.....

Changes in Assets under Construction During 1963

Under construction at December 31, 1962	$175,304,855
Expenditures during 1963	108,156,593
	$283,461,448
Less placed in service during 1963	190,814,921
Under construction at December 31, 1963	$92,646,527

ASSETS

Year 1963 and Balances at December 31, 1963

Service during Year		Under Construction December 31, 1963	Total Fixed Assets December 31, 1963	Expenditures during 1963
Sales and Retirements	Balance December 31, 1963			
$	$	$	$	$
5,728	46,547,373	13,070	46,560,443	12,403
9,875	146,654,688	78,612	146,733,300	134,081
.....	78,114,225	43,545,224	121,659,449	24,342,128
.....	27,000,000	333,383	27,333,383	777,147
.....	.....	2,302,114	2,302,114	582,093
5,310	1,046,555	1,431,084	2,477,639	292,940
10,293	299,362,841	47,703,487	347,066,328	26,140,792
1,916,405	1,599,455,438	65,852,920	1,665,308,358	49,300,894
2,009,023	290,914,384	7,450,724	298,365,108	12,108,698
884,833	318,846,477	12,684,642	331,531,119	22,390,896
197,930	13,592,942	1,283,007	14,875,949	998,768
4,456,504	306,444,207	1,845,502	308,289,709	18,073,006
9,464,695	2,529,253,448	89,116,795	2,618,370,243	102,872,262
440,732	31,672,748	3,529,732	35,202,480	3,652,073
323,116	11,369,963	.....	11,369,963	1,632,258
763,848	43,042,711	3,529,732	46,572,443	5,284,331
10,228,543	2,572,296,159	92,646,527	2,664,942,686	108,156,593

Summary of Sales and Retirements during 1963

Charged to accumulated depreciation	$8,596,269
Charged to construction in progress	225,978
Charged to operations	222,853
Proceeds from sales	1,183,443
	$10,228,543

ACCUMULATED DEPRECIATION
for the Year Ended December 31, 1963

	Power Supply Facilities		Administrative and Service Buildings and Equipment	Total
	Generation, Transformation, Transmission, and Communications	Retail Distribution		
	$	$	$	$
Balances at December 31, 1962	252,319,131	72,935,926	10,604,995	335,860,052
Add:				
Interest at 3% per annum on accumulated depreciation on plant not fully depreciated	6,504,267	2,025,701	111,655	8,641,623
Provision in the year				
—direct	20,735,377	8,424,234	.....	29,159,611
—indirect	10,531	.....	1,369,834	1,380,365
Transfers	647,343	*12,282*	*635,061*	.....
Other adjustments	307,181	81,758	*32*	388,907
	280,523,830	83,455,337	11,451,391	375,430,558
Deduct:				
Cost of fixed assets retired less proceeds from sales	4,195,527	4,015,439	385,303	8,596,269
Frequency standardization costs	441,275	.....	.....	441,275
Excess of removal costs over salvage recoveries on assets retired	281,654	*112,585*	610	169,679
	4,918,456	3,902,854	385,913	9,207,223
Balances at December 31, 1963	275,605,374 (Note 1)	79,552,483	11,065,478	366,223,335

Notes

1. This balance includes a special allowance for estimated capital losses and other costs in connection with 25-cycle equipment to be retired or converted as a result of frequency standardization. A summary of the charges against this special allowance in 1963 is noted below:

Balance at December 31, 1962		$3,728,079
Deduct charges in 1963:		
Losses incurred on retirement of 25-cycle equipment (included above in "Cost of fixed assets retired less proceeds from sales")	$125,853	
Other frequency standardization costs	441,275	
		567,128
Balance at December 31, 1963		$3,160,951

2. The depreciation shown in the Statement of Operations consists of the following amounts:

Direct provision in the year		$29,159,611
Interest	$8,641,623	
Less interest on administrative and service buildings and equipment	111,655	
		8,529,968
		$37,689,579

FREQUENCY STANDARDIZATION ACCOUNT

for the Year Ended December 31, 1963

	Former Southern Ontario System	Former Northern Ontario Properties	Total
	$	$	$
Balances at December 31, 1962	168,709,207	2,589,726	171,298,933
Add interest for year	6,342,793	112,971	6,455,764
	175,052,000	2,702,697	177,754,697
Less amortization charged to cost of power	17,331,109	926,049	18,257,158
Balances at December 31, 1963	157,720,891	1,776,648	159,497,539

EXCHANGE DISCOUNT (NET) ON FUNDED DEBT

for the Year Ended December 31, 1963

	Discount	Premium	Net Discount
	$	$	$
Exchange discount and premium on funded debt issued in United States funds:			
Balances at December 31, 1962	6,051,632	4,873,718	1,177,914
Less discount at time of issue on bonds redeemed during 1963	61,246	.....	61,246
Balances at December 31, 1963	5,990,386	4,873,718	1,116,668

FUNDED DEBT AS AT DECEMBER 31, 1963

Date of Maturity	Callable on or after	Date of Issue	Interest Rate	Principal Outstanding Dec. 31, 1963
PAYABLE IN CANADIAN FUNDS—*Guaranteed as to principal and interest by the Province of Ontario:*				
			%	$
May 15, 1964	.....	Nov. 15, 1957	5	13,035,500
May 15, 1964	May 15, 1962	May 15, 1954	3	13,638,500
July 2, 1964	July 2, 1960	July 2, 1948	3	37,255,500
Oct. 15, 1964	Oct. 15, 1963	Oct. 15, 1956	4½	12,623,000
Apr. 1, 1965	Apr. 1, 1964	Apr. 1, 1957	5	16,738,500
Dec. 15, 1965	Dec. 15, 1963	Dec. 15, 1948	3	42,567,000
Jan. 15, 1966	Jan. 15, 1964	Jan. 15, 1956	3¾	11,058,000
Mar. 1, 1966	Mar. 1, 1965	Mar. 1, 1958	4	32,556,500
May 1, 1966	May 1, 1964	May 1, 1951	3½	24,261,000
Jan. 15, 1967	Jan. 15, 1965	Jan. 15, 1952	4	36,950,500
Mar. 15, 1967	Mar. 15, 1964	Mar. 15, 1953	4¼	28,322,000
Apr. 1, 1967	Apr. 1, 1965	Apr. 1, 1949	3	41,389,500
Apr. 1, 1967	Apr. 1, 1964	Apr. 1, 1947	2¾	14,327,000
Nov. 1, 1967	Nov. 1, 1964	Nov. 1, 1952	4¼	16,891,000
Nov. 1, 1967	Nov. 1, 1964	Nov. 1, 1952	4¼	25,397,000
Jan. 15, 1968	Jan. 15, 1966	July 15, 1949	3	41,835,000
Apr. 15, 1968	Apr. 15, 1966	Apr. 15, 1952	4	37,305,500
Oct. 1, 1968	Oct. 1, 1965	Oct. 1, 1947	2¾	19,213,000
July 1, 1969	.....	July 1, 1959	5¾	12,649,000
July 15, 1969	July 15, 1966	July 15, 1953	4¼	30,535,500
July 15, 1969	July 15, 1966	July 15, 1953	4¼	21,413,000
Nov. 1, 1969	Nov. 1, 1967	Nov. 1, 1949	3	49,103,000
Jan. 1, 1970	.....	Jan. 1, 1930	4¾	9,689,000
Feb. 15, 1970	.....	Feb. 15, 1960	6	15,561,500
Apr. 1, 1970	Apr. 1, 1968	Apr. 1, 1950	3	52,698,000
June 15, 1970	.....	June 15, 1962	4½	12,882,000
July 15, 1970	.....	July 15, 1960	5¼	5,015,000
Oct. 15, 1970	Oct. 15, 1969	Oct. 15, 1958	4½	4,993,000
Feb. 15, 1971	.....	Feb. 15, 1961	5¼	5,300,000
Mar. 1, 1971	.....	Mar. 1, 1963	5	13,500,000
June 1, 1971	June 1, 1961	June 1, 1946	2¾	18,035,000
Nov. 15, 1971	.....	Nov. 15, 1961	4¾	6,961,000
June 15, 1973	June 15, 1971	June 15, 1950	3	54,300,000
July 15, 1974	July 15, 1972	July 15, 1956	4	49,461,000
Oct. 15, 1974	Oct. 15, 1972	Oct. 15, 1956	4½	26,592,500
Aug. 15, 1975	Aug. 15, 1972	Feb. 15, 1957	4¾	35,441,500
Jan. 15, 1976	Jan. 15, 1974	Jan. 15, 1956	4	49,600,000
Nov. 15, 1976	Nov. 15, 1974	Nov. 15, 1957	5	35,605,000
Mar. 1, 1977	Mar. 1, 1975	Mar. 1, 1955	3½	39,200,000
Apr. 1, 1977	Apr. 1, 1974	Apr. 1, 1957	5	80,338,000
Mar. 1, 1978	Mar. 1, 1976	Mar. 1, 1958	4½	35,984,000
Oct. 15, 1978	Oct. 15, 1976	Oct. 15, 1958	5	49,145,000
May 15, 1979	May 15, 1974	May 15, 1954	3½	35,000,000
July 1, 1979	.....	July 1, 1959	5¾	36,927,000
Oct. 15, 1979	Oct. 15, 1974	Oct. 15, 1954	3½	49,975,000
Feb. 15, 1980	Feb. 15, 1978	Feb. 15, 1960	6	34,000,000
July 15, 1980	July 15, 1978	July 15, 1960	5½	44,335,000
Feb. 15, 1981	Feb. 15, 1979	Feb. 15, 1961	5½	44,350,000
June 15, 1982	June 15, 1979	June 15, 1962	5	36,500,000
Mar. 1, 1983	Mar. 1, 1980	Mar. 1, 1963	5¼	46,500,000
June 15, 1983	June 15, 1979	June 15, 1963	5	60,190,300
Nov. 15, 1983	Nov. 15, 1980	Nov. 15, 1961	5¼	42,800,000
				1,609,943,300

FUNDED DEBT AS AT DECEMBER 31, 1963—Concluded

Date of Maturity	Callable on or after	Date of Issue	Interest Rate	Principal Outstanding Dec. 31, 1963
PAYABLE IN UNITED STATES FUNDS—*Held by Province of Ontario and having terms identical with issues sold in the United States by the Province of Ontario on behalf of the Commission:*				
			%	$
Mar. 15, 1964	Mar. 15, 1959	Mar. 15, 1954	2.80	2,504,000
May 15, 1971	May 15, 1956	May 15, 1951	3¼	48,991,000
Sept. 1, 1972	Sept. 1, 1956	Sept. 1, 1951	3¼	42,750,000
Feb. 1, 1975	Feb. 1, 1958	Feb. 1, 1953	3¼	47,181,000
Nov. 1, 1978	Nov. 1, 1958	Nov. 1, 1953	3⅝	48,966,000
Mar. 15, 1980	Mar. 15, 1959	Mar. 15, 1954	3⅛	29,920,000
May 15, 1981	May 15, 1961	May 15, 1956	3⅞	44,390,000
Feb. 1, 1984	Feb. 1, 1969	Feb. 1, 1959	4¾	74,600,000
				339,302,000
Total funded debt (at par of exchange)				1,949,245,300

Summary of Changes in Funded Debt during the Year Ended December 31, 1963

Outstanding at December 31, 1962	$1,926,784,000
Less redemptions during year	97,729,100
	1,829,054,900
Add new bond issues during year	120,190,400
Outstanding at December 31, 1963	$1,949,245,300

ADVANCES FROM THE PROVINCE OF ONTARIO AS AT DECEMBER 31, 1963

Annuity bonds repayable to the Province in accordance with the terms of Province of Ontario bonds issued in part for the purposes of the Commission

Date of Maturity	Interest Rate	Balances of Advances Outstanding December 31, 1963 (*Payable in Canadian, United States, or Sterling Funds*)
	%	$
May 15, 1964-1968	4	2,666,092
May 15, 1964-1970	4½	3,145,296
Jan. 15, 1964-1971	4½	2,047,786
June 1, 1964-1971	4	2,826,552
Total advances (at par of exchange)		10,685,726

Summary of Changes in Advances from the Province of Ontario during the Year Ended December 31, 1963

Balance of advances at December 31, 1962	$12,205,190
Less repayments during year	1,519,464
Balance of advances at December 31, 1963	$10,685,726

RESERVE FOR STABILIZATION

for the Year Ended

	Held for the Benefit of All Customers
	$
Balances at December 31, 1962	137,816,269
Add:	
Interest for year on reserve balances	6,114,437
Excess of amounts billed to direct and retail customers over cost	.....
	143,930,706
Deduct:	
Withdrawals in the year applied in reduction of cost of power	20,846,415
Net loss on redemption of funded debt and sale of investments	450,766
	21,297,181
Balances at December 31, 1963	122,633,525

STATEMENT OF EQUITIES ACCUMULATED THROUGH

for the Year Ended

Balances at December 31, 1962
Add:
Interest at 4% per annum
Provision in the year—direct
—indirect
Equity transferred through annexations
Deduct credits resulting from matured sinking funds:
Interest
Principal
Balances at December 31, 1963

NOTES

1. Unallocated sinking fund equities consist of:
   (a) $46,893,895 contributed to January 1, 1962 by persons previously served for the account of the Province of Ontario, and $4,304,841 accumulated to January 1, 1962 by sinking fund provisions in respect of administrative and service buildings and equipment, and
   (b) interest for 1962 and 1963 on these balances.

   The amounts contributed by these persons and provided in respect of these assets in 1962 and 1963 and the related sinking fund credits have been allocated to Municipalities and the Rural Power District.

OF RATES AND CONTINGENCIES

December 31, 1963

Held for the Benefit of Certain Groups of Customers					Total
Municipalities		Direct Customers		Retail Customers	
Low-Voltage Cost Relief	Former Thunder Bay System	Within Municipalities	Outside Municipalities		
$	$	$	$	$	$
1,081,163	431,986	3,010,731	7,009,197	1,167,930	150,517,276
43,247	19,193	133,768	311,422	51,892	6,673,959
.....	.....	1,005	962,121	2,341,817	3,304,943
1,124,410	451,179	3,145,504	8,282,740	3,561,639	160,496,178
43,247	87,125	.....	.....	.....	20,976,787
.....	.....	.....	.....	.....	450,766
43,247	87,125	.....	.....	.....	21,427,553
1,081,163	364,054	3,145,504	8,282,740	3,561,639	139,068,625

SINKING FUND PROVISIONS AND INTEREST

December, 31, 1963

Allocated		Unallocated (Note 1)		Total
Municipalities (Note 2)	Rural Power District	Province of Ontario	Administrative and Service Buildings and Equipment	
$	$	$	$	$
321,394,203	63,675,025	48,769,651	4,477,034	438,315,913
12,855,768	2,547,001	1,950,786	179,082	17,532,637
16,079,810	8,185,208	.....	.....	24,265,018
252,823	92,739	.....	.....	345,562
166,513	*166,513*	.....	.....	.....
350,749,117	74,333,460	50,720,437	4,656,116	480,459,130
2,981,812	37,338	.....	.....	3,019,150
784,962	9,829	.....	.....	794,791
3,766,774	47,167	.....	.....	3,813,941
346,982,343	74,286,293	50,720,437	4,656,116	476,645,189

2. Sinking fund equities accumulated by individual municipalities are shown on pages 124 to 131.

3. The sinking fund provisicn shown in the Statement of Operations consists of the following amounts:

Direct provision in the year	$24,265,018
Less principal portion of credits resulting from matured sinking funds	794,791
	$23,470,227

STATEMENT OF THE ALLOCATION OF THE

for the Year

Municipality	Primary Power and Energy Supplied during Year (Principal Bases of Cost Allocation)		Cost of			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardization	Credits Resulting from Matured Sinking Fund	Total, before Reserve Withdrawals
	kw	megawatt-hours	$	$	$	$
Acton	4,400.2	22,368.4	188,281	22,001	*4,507*	205,775
Ailsa Craig	401.3	1,712.0	17,907	2,006	*2,340*	17,573
Ajax	6,768.8	36,776.0	276,470	.....	.....	276,470
Alexandria	2,236.3	10,946.0	102,335	.....	*1,816*	100,519
Alfred	616.8	2,871.2	26,445	.....	.....	26,445
Alliston	2,383.2	13,562.0	113,744	.....	*156*	113,588
Almonte	1,993.0	9,173.9	84,338	.....	.....	84,338
Alvinston	246.4	1,016.0	11,168	1,232	*500*	11,900
Amherstburg	3,378.1	19,947.1	151,625	16,891	*1,591*	166,925
Ancaster	2,183.7	11,287.0	91,546	10,918	.....	102,464
Apple Hill	103.7	451.4	4,651	.....	*195*	4,456
Arkona	315.1	1,570.0	14,564	1,576	.....	16,140
Arnprior	4,553.4	23,218.4	197,751	.....	.....	197,751
Arthur	849.7	3,818.8	37,877	.....	*3,156*	34,721
Athens	484.1	2,505.0	21,997	.....	.....	21,997
Atikokan	3,238.6	18,382.7	150,117	.....	.....	150,117
Aurora	5,994.1	33,003.8	242,717	29,970	.....	272,687
Avonmore	177.4	778.8	7,710	.....	.....	7,710
Aylmer	4,428.3	21,881.3	178,137	22,142	*1,668*	198,611
Ayr	698.1	3,279.6	31,748	3,490	*1,266*	33,972
Baden	843.6	3,839.4	34,767	4,218	*2,915*	36,070
Bancroft	1,341.2	5,691.8	59,776	.....	.....	59,776
Barrie	20,131.3	111,341.8	808,400	.....	*10,202*	798,198
Barry's Bay	465.2	2,216.4	21,509	.....	.....	21,509
Bath	378.2	1,787.3	17,057	.....	.....	17,057
Beachburg	372.6	1,826.4	16,296	.....	.....	16,296
Beachville	2,169.6	14,473.9	95,558	10,848	*4,184*	102,222
Beamsville	1,640.1	8,494.7	67,819	8,201	.....	76,020
Beaverton	1,275.5	6,629.4	59,486	.....	*3,052*	56,434
Beeton	484.0	2,476.0	24,332	.....	*98*	24,234
Belle River	731.0	3,794.4	34,368	3,655	*331*	37,692
Belleville	23,366.8	136,480.4	951,653	.....	.....	951,653
Belmont	520.7	2,522.0	22,303	2,603	*7*	24,899
Blenheim	1,581.6	7,993.2	69,959	7,908	*2,971*	74,896
Bloomfield	463.1	1,869.6	19,132	.....	.....	19,132
Blyth	731.2	3,627.6	33,739	3,656	.....	37,395
Bobcaygeon	881.3	4,508.8	40,836	.....	.....	40,836
Bolton	1,246.9	7,074.2	58,209	6,235	*2,870*	61,574
Bothwell	422.3	2,033.0	18,880	2,111	*2,550*	18,441
Bowmanville	6,860.0	36,425.8	279,895	.....	.....	279,895

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1963

Primary Power				Rates		
				Interim	Actual	
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance (*Refunded* or Charged)	per Kw per Annum	per Kw per Annum	Mills per Kwh
$	$	$	$	$	$	
15,840	189,935	194,050.30	*4,115.30*	44.10	43.17	8.49
1,445	16,128	16,655.69	*527.69*	41.50	40.19	9.42
24,368	252,102	253,829.38	*1,727.38*	37.50	37.24	6.85
8,050	92,469	93,925.30	*1,456.30*	42.00	41.36	8.45
2,221	24,224	24,179.53	44.47	39.20	39.28	8.44
8,579	105,009	107,244.79	*2,235.79*	45.00	44.06	7.74
7,174	77,164	79,918.97	*2,754.97*	40.10	38.72	8.41
887	11,013	11,334.78	*321.78*	46.00	44.69	10.84
12,161	154,764	157,079.34	*2,315.34*	46.50	45.81	7.76
7,861	94,603	96,082.43	*1,479.43*	44.00	43.32	8.38
374	4,082	4,076.74	5.26	39.30	39.38	9.04
1,134	15,006	15,248.83	*242.83*	48.40	47.62	9.56
16,392	181,359	179,403.31	1,955.69	39.40	39.82	7.81
3,059	31,662	33,391.25	*1,729.25*	39.30	37.27	8.29
1,743	20,254	19,849.81	404.19	41.00	41.84	8.09
11,659	138,458	145,087.41	*6,629.41*	44.80	42.75	7.53
21,579	251,108	264,341.30	*13,233.30*	44.10	41.89	7.61
638	7,072	6,919.93	152.07	39.00	39.86	9.08
15,942	182,669	189,088.07	*6,419.07*	42.70	41.25	8.35
2,513	31,459	32,182.39	*723.39*	46.10	45.07	9.59
3,037	33,033	32,648.63	384.37	38.70	39.15	8.60
4,829	54,947	56,331.10	*1,384.10*	42.00	40.97	9.65
72,473	725,725	724,728.00	997.00	36.00	36.05	6.52
1,674	19,835	20,237.31	*402.31*	43.50	42.64	8.95
1,362	15,695	15,580.46	114.54	41.20	41.50	8.78
1,341	14,955	14,679.13	275.87	39.40	40.13	8.19
7,811	94,411	95,895.58	*1,484.58*	44.20	43.51	6,52
5,904	70,116	73,967.39	*3,851.39*	45.10	42.75	8.25
4,592	51,842	49,871.40	1,970.60	39.10	40.65	7.82
1,742	22,492	22,361.97	130.03	46.20	46.47	9.08
2,632	35,060	35,304.88	*244.88*	48.30	47.97	9.24
84,121	867,532	845,877.55	21,654.45	36.20	37.12	6.36
1,874	23,025	23,950.29	*925.29*	46.00	44.22	9.13
5,694	69,202	68,957.39	244.61	43.60	43.75	8.66
1,667	17,465	17,735.46	*270.46*	38.30	37.71	9.34
2,632	34,763	35,461.58	*698.58*	48.50	47.54	9.58
3,173	37,663	36,661.05	1,001.95	41.60	42.74	8.35
4,489	57,085	58,230.24	*1,145.24*	46.70	45.78	8.07
1,520	16,921	17,059.91	*138.91*	40.40	40.07	8.32
24,696	255,199	256,564.02	*1,365.02*	37.40	37.20	7.01

STATEMENT OF THE ALLOCATION OF THE

for the Year

Municipality	Primary Power and Energy Supplied during Year (Principal Bases of Cost Allocation)		Cost of			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardization	Credits Resulting from Matured Sinking Fund	Total, before Reserve Withdrawals
	kw	megawatt-hours	$	$	$	$
Bracebridge	344.3	961.4	13,282	.....	.....	13,282
Bradford	1,947.2	10,312.8	87,384	.....	*87*	87,297
Braeside	1,747.0	7,055.3	66,903	.....	.....	66,903
Brampton	19,796.1	105,840.5	786,557	98,981	*14,409*	871,129
Brantford	44,101.2	247,424.8	1,748,440	220,506	*63,840*	1,905,106
Brantford Twp.	6,770.9	35,129.8	277,513	33,854	*119*	311,248
Brechin	142.8	649.8	6,556	.....	*1,087*	5,469
Bridgeport	893.2	4,526.4	37,916	4,466	.....	42,382
Brigden	259.6	1,163.9	11,778	1,298	*1,635*	11,441
Brighton	1,639.2	8,624.7	69,197	.....	.....	69,197
Brockville	17,159.4	92,448.8	675,318	.....	*22,102*	653,216
Brussels	647.9	2,995.2	29,419	3,240	.....	32,659
Burford	819.7	3,735.1	34,222	4,098	*1,255*	37,065
Burgessville	222.6	806.4	8,954	1,113	*579*	9,488
Burk's Falls	717.8	3,537.0	32,914	.....	.....	32,914
Burlington	35,226.5	192,902.9	1,429,739	176,133	*155*	1,605,717
Cache Bay	526.8	1,588.2	20,968	.....	.....	20,968
Caledonia	1,058.8	5,568.0	45,583	5,294	*1,242*	49,635
Campbellford	1,515.8	4,105.4	51,019	.....	.....	51,019
Campbellville	154.2	740.8	6,792	771	*22*	7,541
Cannington	670.0	3,267.2	31,812	.....	*2,248*	29,564
Capreol	1,853.7	10,244.8	84,100	.....	.....	84,100
Cardinal	897.5	4,616.6	40,404	.....	.....	40,404
Carleton Place	3,261.3	17,931.2	152,994	.....	.....	152,994
Casselman	819.1	3,329.6	36,183	.....	.....	36,183
Cayuga	488.3	2,442.0	22,116	2,441	.....	24,557
Chalk River	514.1	2,738.5	22,314	.....	.....	22,314
Chatham	22,959.2	117,551.5	885,196	114,796	*37,148*	962,844
Chatsworth	274.1	1,252.0	11,853	.....	*558*	11,295
Chesley	1,317.8	5,848.4	57,469	.....	*4,813*	52,656
Chesterville	1,602.3	7,617.7	72,824	.....	*4,388*	68,436
Chippawa	1,373.5	7,200.0	58,081	6,868	*994*	63,955
Clifford	375.8	1,865.6	17,240	1,879	.....	19,119
Clinton	2,421.9	12,545.3	103,154	12,109	*4,585*	110,678
Cobden	684.1	3,282.6	28,237	.....	.....	28,237
Cobourg	10,890.1	58,966.8	442,883	.....	*5*	442,878
Cochrane	3,010.4	15,312.7	109,748	.....	.....	109,748
Colborne	979.5	5,280.0	46,328	.....	.....	46,328
Coldwater	476.0	2,331.8	21,822	.....	*978*	20,844
Collingwood	6,545.2	34,340.5	281,113	.....	*15,195*	265,918

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1963

Primary Power				Rates		
				Interim	Actual	
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance (*Refunded* or Charged)	per Kw per Annum	per Kw per Annum	Mills per Kwh
$	$	$	$	$	$	
1,239	12,043	13,770.67	*1,727.67*	40.00	34.98	12.53
7,010	80,287	80,614.78	*327.78*	41.40	41.24	7.79
6,289	60,614	61,495.86	*881.86*	35.20	34.70	8,59
71,266	799,863	805,700.60	*5,837.60*	40.70	40.40	7.56
158,765	1,746,341	1,750,817.30	*4,476.30*	39.70	39.60	7.06
24,375	286,873	293,181.78	*6,308.78*	43.30	42.37	8.17
514	4,955	5,056.30	*101.30*	35.40	34.70	7.63
3,216	39,166	40,015.36	*849.36*	44.80	43.85	8.65
934	10,507	10,642.92	*135.92*	41.00	40.47	9.03
5,901	63,296	62,616.81	679.19	38.20	38.61	7.34
61,774	591,442	585,136.97	6,305.03	34.10	34.46	6.40
2,333	30,326	30,612.49	*286.49*	47.25	46.81	10.12
2,950	34,115	35,164.79	*1,049.79*	42.90	41.62	9.13
802	8,686	8,925.92	*239.92*	40.10	39.02	10.77
2,584	30,330	31,366.77	*1,036.77*	43.70	42.25	8.58
126,815	1,478,902	1,521,782.64	*42,880.64*	43.20	41.99	7.67
1,896	19,072	20,334.17	*1,262.17*	38.60	36.20	12.01
3,812	45,823	47,116.96	*1,293.96*	44.50	43.28	8.23
5,457	45,562	54,568.20	*9,006.20*	36.00	30.06	11.10
555	6,986	7,154.11	*168.11*	46.40	45.31	9.43
2,412	27,152	27,135.69	16.31	40.50	40.53	8.31
6,673	77,427	80,634.52	*3,207.52*	43.50	41.77	7.56
3,231	37,173	36,796.81	376.19	41.00	41.42	8.05
11,741	141,253	140,236.62	1,016.38	43.00	43.32	7.88
2,948	33,235	33,990.58	*755.58*	41.50	40.57	9.98
1,758	22,799	23,193.49	*394.49*	47.50	46.69	9.34
1,851	20,463	20,203.82	259.18	39.30	39.80	7.47
82,653	880,191	890,816.97	*10,625.97*	38.80	38.34	7.49
987	10,308	10,853.37	*545.37*	39.60	37.60	8.23
4,744	47,912	50,471.75	*2,559.75*	38.30	36.36	8.19
5,768	62,668	62,969.75	*301.75*	39.30	39.12	8.23
4,945	59,010	60,709.06	*1,699.06*	44.20	42.97	8.20
1,352	17,767	18,415.86	*648.86*	49.00	47.28	9.52
8,719	101,959	104,385.35	*2,426.35*	43.10	42.10	8.13
2,463	25,774	25,518.49	255.51	37.30	37.68	7.85
39,204	403,674	396,399.02	7,274.98	36.40	37.07	6.85
10,838	98,910	105,665.65	*6,755.65*	35.10	32.86	6.46
3,527	42,801	42,216.10	584.90	43.10	43.70	8.11
1,714	19,130	18,564.03	565.97	39.00	40.19	8.20
23,562	242,356	240,207.92	2,148.08	36.70	37.03	7.06

STATEMENT OF THE ALLOCATION OF THE

for the Year

Municipality	Primary Power and Energy Supplied during Year (Principal Bases of Cost Allocation)		Cost of			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardization	Credits Resulting from Matured Sinking Fund	Total, before Reserve Withdrawals
	kw	megawatt-hours	$	$	$	$
Comber	340.3	1,410.4	15,157	1,702	*2,118*	14,741
Coniston	1,165.6	5,968.0	47,542	.....	.....	47,542
Cookstown	386.7	1,828.4	17,506	.....	*44*	17,462
Cottam	272.4	1,322 8	11,914	1,362	.....	13,276
Courtright	181.8	793.5	7,955	909	.....	8,864
Creemore	555 4	2,568.8	23,985	.....	*1,304*	22,681
Dashwood	305.8	1,405.6	14,011	1,529	*1,257*	14,283
Deep River	3,857.9	21,055.7	160,882	.....	*1*	160,881
Delaware	226.0	983.2	9,867	1,130	*315*	10,682
Delhi	2,597.5	13,230.5	109,177	12,987	.....	122,164
Deseronto	1,081.2	5,582.4	50,715	.....	.....	50,715
Dorchester	484.0	2,160.4	20,204	2,420	*449*	22,175
Drayton	440.9	1,881.6	18,984	2,205	*404*	20,785
Dresden	1,574.8	8,016.4	70,279	7,874	*2,738*	75,415
Drumbo	241.0	988.8	10,836	1,205	*413*	11,628
Dryden	3,277.2	19,771.2	152,029	.....	.....	152,029
Dublin	348.6	1,453.6	14,529	1,743	*694*	15,578
Dundalk	619.0	3,110.4	30,530	.....	*1,497*	29,033
Dundas	9,571.5	47,653.1	367,884	47,857	*10,876*	404,865
Dunnville	3,732.7	20,191.2	162,899	18,664	*2,514*	179,049
Durham	1,773.9	8,164.2	78,541	.....	*4,574*	73,967
Dutton	387.4	1,890.8	19,541	1,937	*1,853*	19,625
East York Twp.	37,421.8	214,415.7	1,496,160	187,109	.....	1,683,269
Eganville	615.2	3,106.4	27,406	.....	.....	27,406
Elmira	4,550.4	22,764.4	174,968	22,752	*6,401*	191,319
Elmvale	670.1	3,313.6	30,493	.....	*1,599*	28,894
Elmwood	200.7	741.4	9,044	.....	*26*	9,018
Elora	867.4	4,281.8	39,456	4,337	*4,094*	39,699
Embro	392.1	1,918.4	17,462	1,960	*1,233*	18,189
Erieau	436.0	2,251.4	19,876	2,180	.....	22,056
Erie Beach	73.6	275.0	3,180	368	.....	3,548
Erin	640.0	3,195.6	29,091	.....	.....	29,091
Espanola	2,582.9	14,186.0	106,546	.....	.....	106,546
Essex	1,782.8	9,623.8	76,153	8,914	*917*	84,150
Etobicoke Twp.	140,559.0	833,413.3	5,715,518	702,795	*8,362*	6,409,951
Exeter	2,365.9	11,955.2	109,026	11,830	*4,280*	116,576
Fergus	3,682.7	17,180.1	152,473	18,413	*4,033*	166,853
Finch	302.8	1,253.6	13,463	.....	.....	13,463
Flesherton	417.1	1,736.7	17,261	.....	*744*	16,517
Fonthill	1,263.6	6,332.8	53,795	6,318	.....	60,113

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1963

Primary Power				Rates		
				Interim	Actual	
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance (*Refunded* or Charged)	per Kw per Annum	per Kw per Annum	Mills per Kwh
$	$	$	$	$	$	
1,225	13,516	13,269.78	246.22	39.00	39.72	9.58
4,196	43,346	46,158.09	*2,812.09*	39.60	37.19	7.26
1,393	16,069	15,856.42	212.58	41.00	41.56	8.79
981	12,295	12,203.16	91.84	44.80	45.14	9.29
655	8,209	8,289.32	*80.32*	45.60	45.16	10.35
1,999	20,682	21,104.25	*422.25*	38.00	37.24	8.05
1,100	13,183	13,548.41	*365.41*	44.30	43.11	9.38
13,888	146,993	146,600.83	392.17	38.00	38.10	6.98
814	9,868	10,124.80	*256.80*	44.80	43.67	10.04
9,351	112,813	115,071.11	*2,258.11*	44.30	43.43	8.53
3,892	46,823	47,358.40	*535.40*	43.80	43.30	8.39
1,742	20,433	21,294.53	*861.53*	44.00	42.21	9.46
1,588	19,197	19,046.88	150.12	43.20	43.54	10.20
5,669	69,746	70,235.36	*489.36*	44.60	44.29	8.70
868	10,760	11,255.11	*495.11*	46.70	44.65	10.88
11,798	140,231	146,818.18	*6,587.18*	44.80	42.79	7.09
1,254	14,324	14,709.52	*385.52*	42.20	41.09	9.85
2,228	26,805	26,308.58	496.42	42.50	43.30	8.62
34,458	370,407	382,861.67	*12,454.67*	40.00	38.70	7.77
13,438	165,611	166,103.29	*492.29*	44.50	44.37	8.20
6,386	67,581	68,828.93	*1,247.93*	38.80	38.10	8.28
1,394	18,231	18,051.68	179.32	46.60	47.06	9.64
134,719	1,548,550	1,567,973.44	*19,423.44*	41.90	41.38	7.22
2,215	25,191	24,486.61	704.39	39.80	40.95	8.11
16,381	174,938	177,009.27	*2,071.27*	38.90	38.44	7.68
2,413	26,481	26,804.33	*323.33*	40.00	39.52	7.99
722	8,296	8,189.58	106.42	40.80	41.33	11.19
3,123	36.576	37,819.38	*1,243.38*	43.60	42.17	8.54
1,411	16,778	17,015.68	*237.68*	43.40	42.79	8.75
1,570	20,486	20,620.47	*134.47*	47.30	46.99	9.10
265	3,283	3,292.10	*9.10*	44.75	44.61	11.94
2,304	26,787	27,007.30	*220.30*	42.20	41.85	8.38
9,298	97,248	100,473.20	*3,225.20*	38.90	37.65	6.86
6,418	77,732	77,193.09	538.91	43.30	43.61	8.08
506,012	5,903,939	6,001,869.65	*97,930.65*	42.70	42.00	7.08
8,518	108,058	110,250.56	*2,192.56*	46.60	45.67	9.04
13,257	153,596	155,408.18	*1,812.18*	42.20	41.70	8.94
1,090	12,373	12,353.56	19.44	40.80	40.86	9.87
1,502	15,015	15,183.06	*168.06*	36.40	36.00	8.65
4,549	55,564	57,113.19	*1,549.19*	45.20	43.97	8.77

STATEMENT OF THE ALLOCATION OF THE

for the Year

Municipality	Primary Power and Energy Supplied during Year (Principal Bases of Cost Allocation)		Cost of			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardization	Credits Resulting from Matured Sinking Fund	Total, before Reserve Withdrawals
	kw	megawatt-hours	$	$	$	$
Forest	1,478.3	8,584.0	69,158	7,392	*2,504*	74,046
Forest Hill	15,285.0	81,900.9	596,429	76,425	.....	672,854
Fort William	36,804.0	224,408.0	1,488,884	.....	.....	1,488,884
Frankford	851.3	4,254.5	36,339	.....	.....	36,339
Galt	25,992.9	141,224.4	1,014,723	129,964	*46,560*	1,098,127
Georgetown	8,856.2	49,529.8	368,580	44,281	*9,837*	403,024
Glencoe	643.5	3,138.4	29,755	3,218	*581*	32,392
Goderich	6,373.2	33,122.5	276,169	31,866	*11,474*	296,561
Grand Bend	779.2	3,775.3	35,560	3,896	*12*	39,444
Grand Valley	492.6	2,159.4	22,878	.....	*1,793*	21,085
Granton	111.8	496.3	4,946	559	*1,056*	4,449
Gravenhurst	2,426.8	13,023.4	107,596	.....	*2,151*	105,445
Grimsby	3,244.2	17,688.4	141,720	16,221	.....	157,941
Guelph	36,267.6	206,207.1	1,427,779	181,338	*53,422*	1,555,695
Hagersville	1,657.7	7,099.2	70,951	8,288	*6,298*	72,941
Hamilton	385,495.6	2,549,071.9	16,037,854	1,668,640	*216,037*	17,490,457
Hanover	4,658.6	20,543.7	186,545	.....	*17,153*	169,392
Harriston	1,356.4	7,163.8	60,583	6,782	*4,030*	63,335
Harrow	1,340.5	7,144.4	61,732	6,702	*307*	68,127
Hastings	530.7	2,764.0	23,517	.....	.....	23,517
Havelock	612.7	3,136.0	27,564	.....	.....	27,564
Hawkesbury	4,080.6	21,416.1	162,884	.....	.....	162,884
Hearst	1,415.1	7,348.9	63,464	.....	.....	63,464
Hensall	865.4	4,092.0	37,752	4,327	*1,468*	40,611
Hespeler	5,880.5	29,499.3	232,201	29,403	*5,843*	255,761
Highgate	207.7	797.7	9,131	1,038	*1,149*	9,020
Holstein	127.6	513.8	5,666	.....	*390*	5,276
Huntsville	2,522.2	14,265.2	113,842	.....	*7,936*	105,906
Ingersoll	5,843.1	29,493.4	244,851	29,216	*11,766*	262,301
Iroquois	825.1	4,273.1	35,177	.....	.....	35,177
Jarvis	358.2	1,726.4	16,172	1,791	.....	17,963
Kapuskasing	4,116.2	19,795.4	162,362	.....	.....	162,362
Kemptville	1,817.1	9,178.0	84,127	.....	.....	84,127
Killaloe Station	333.5	1,570.8	15,169	.....	*1*	15,168
Kincardine	2,285.5	11,566.1	104,905	.....	*143*	104,762
King City	1,107.6	5,535.1	48,001	5,538	*10*	53,529
Kingston	42,054.2	243,715.4	1,694,326	.....	.....	1,694,326
Kingsville	1,900.2	9,881.6	80,062	9,501	*991*	88,572
Kirkfield	104.3	455.8	4,769	.....	*220*	4,549
Kitchener	77,252.6	417,369.3	2,804,786	386,263	*94,147*	3,096,902

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1963

Primary Power				Rates		
				Interim	Actual	
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance (*Refunded* or Charged)	per Kw per Annum	per Kw per Annum	Mills per Kwh
$	$	$	$	$	$	
5,322	68,724	71,547.29	*2,823.29*	48.40	46.49	8.01
55,026	617,828	638,911.25	*21,083.25*	41.80	40.42	7.54
169,299	1,319,585	1,380,150.04	*60,565.04*	37.50	35.85	5.88
3,065	33,274	32,944.67	329.33	38.70	39.08	7.82
93,575	1,004,552	1,003,326.59	1,225.41	38.60	38.65	7.11
31,882	371,142	379,931.72	*8,789.72*	42.90	41.91	7.49
2,317	30,075	30,115.41	*40.41*	46.80	46.74	9.58
22,943	273,618	279,148.01	*5,530.01*	43.80	42.93	8.26
2,805	36,639	37,012.78	*373.78*	47.50	47.01	9.70
1,773	19,312	20,342.31	*1,030.31*	41.30	39.20	8.94
403	4,046	4,137.86	*91.86*	37.00	36.20	8.15
8,737	96,708	96,099.63	608.37	39.60	39.85	7.43
11,679	146,262	149,558.78	*3,296.78*	46.10	45.08	8.27
130,563	1,425,132	1,414,435.76	10,696.24	39.00	39.30	6.91
5,968	66,973	67,137.53	*164.53*	40.50	40.40	9.43
1,387,784	16,102,673	16,113,714.00	*11,041.00*	41.80	41.77	6.32
16,771	152,621	165,381.21	*12,760.21*	35.50	32.76	7.43
4,883	58,452	59,817.99	*1,365.99*	44.10	43.09	8.16
4,826	63,301	63,939.49	*638.49*	47.70	47.22	8.86
1,910	21,607	21,226.67	380.33	40.00	40.71	7.82
2,206	25,358	25,547.53	*189.53*	41.70	41.39	8.09
14,690	148,194	144,453.28	3,740.72	35.40	36.31	6.92
5,095	58,369	63,680.27	*5,311.27*	45.00	41.25	7.94
3,115	37,496	39,462.24	*1,966.24*	45.60	43.32	9.16
21,170	234,591	240,513.15	*5,922.15*	40.90	39.90	7.95
748	8,272	8.514.00	*242.00*	41.00	39.83	10.37
459	4,817	5,028.76	*211.76*	39.40	37.74	9.38
9,080	96,826	101,896.56	*5,070.56*	40.40	38.39	6.79
21,035	241,266	243,072.95	*1,806.95*	41.60	41.29	8.18
2,971	32,206	31,932.99	273.01	38.70	39.03	7.54
1,290	16,673	16,871.22	*198.22*	47.10	46.55	9.66
14,818	147,544	148,181.70	*637.70*	36.00	35.84	7.45
6,541	77,586	77,409.57	176.43	42.60	42.70	8.45
1,201	13,967	13,973.98	*6.98*	41.90	41.89	8.89
8,228	96,534	101,245.44	*4,711.44*	44.30	42.24	8.35
3,987	49,542	52,610.61	*3,068.61*	47.50	44.73	8.95
151,395	1,542,931	1,530,774.08	12,156.92	36.40	36.68	6.33
6,841	81,731	82,087.20	*356.20*	43.20	43.01	8.27
375	4,174	4,329.16	*155.16*	41.50	40.01	9.16
278,109	2,818,793	2,835,169.81	*16,376.81*	36.70	36.49	6.75

STATEMENT OF THE ALLOCATION OF THE

for the Year

Municipality	Primary Power and Energy Supplied during Year (Principal Bases of Cost Allocation)		Cost of			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardization	Credits Resulting from Matured Sinking Fund	Total, before Reserve Withdrawals
	kw	megawatt-hours	$	$	$	$
Lakefield	1,457.5	7,634.4	63,404	.....	.....	63,404
Lambeth	1,048.2	4,870.8	45,352	5,241	*858*	49,735
Lanark	409.9	1,966.1	18,292	.....	.....	18,292
Lancaster	300.3	1,530.1	13,756	.....	*212*	13,544
Larder Lake Twp.	880.1	4,550.6	42,497	.....	.....	42,497
Latchford	165.6	916.9	7,921	.....	.....	7,921
Leamington	6,792.3	36,878.3	287,063	33,961	*1,176*	319,848
Lindsay	9,404.3	55,764.8	428,543	.....	.....	428,543
Listowel	3,782.6	19,021.5	158,021	18,913	*6,418*	170,516
London	121,661.9	705,781.4	4,885,043	608,310	*202,340*	5,291,013
Long Branch	6,981.5	38,128.3	286,162	34,907	.....	321,069
L'Orignal	499.5	2,506.6	20,987	.....	.....	20,987
Lucan	611.1	2,933.2	28,223	3,056	*1,885*	29,394
Lucknow	898.8	4,015.2	40,367	.....	*59*	40,308
Lynden	321.9	1,572.0	14,240	1,610	*1,923*	13,927
Madoc	955.4	4,902.0	44,638	.....	.....	44,638
Magnetawan	94.0	438.6	4,395	.....	.....	4,395
Markdale	826.3	3,974.5	35,740	.....	*1,153*	34,587
Markham	3,472.8	17,044.8	144,747	17,364	*628*	161,483
Marmora	755.0	3,912.0	35,066	.....	.....	35,066
Martintown	169.1	689.1	7,226	.....	*171*	7,055
Massey	491,3	2,703.8	23,998	.....	.....	23,998
Maxville	571.3	2,371.1	27,309	.....	*438*	26,871
McGarry	888.7	4,441.2	39,129	.....	.....	39,129
Meaford	2,972.9	16,070.1	140,069	.....	.....	140,069
Merlin	325.7	1,612.0	14,590	1,629	*717*	15,502
Merrickville	496.2	2,482.3	22,252	.....	.....	22,252
Midland	8,960.4	47,170.9	372,727	.....	*20,186*	352,541
Mildmay	503.6	2,408.0	22,107	.....	.....	22,107
Millbrook	468.3	2,225.4	22,485	.....	.....	22,485
Milton	4,207.7	24,344.9	184,646	21,039	*12,862*	192,823
Milverton	947.6	4,197.4	42,747	4,738	*5,125*	42,360
Mimico	9,040.3	51,087.3	364,537	45,201	*9,509*	400,229
Mitchell	2,059.2	10,321.0	87,103	10,296	*3,700*	93,699
Moorefield	314.2	1,384.0	13,393	1,571	*242*	14,722
Morrisburg	1,331.8	6,964.0	56,688	.....	.....	56,688
Mount Brydges	424.5	1,942.0	18,141	2,123	*585*	19,679
Mount Forest	2,112.1	9,996.0	93,857	.....	*3,574*	90,283
Napanee	3,642.0	17,740.5	161,441	.....	.....	161,441
Neustadt	362.5	1,434.1	14,862	.....	*115*	14,747

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1963

Primary Power				Rates		
				Interim	Actual	
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance (*Refunded* or Charged)	per Kw per Annum	per Kw per Annum	Mills per Kwh
$	$	$	$	$	$	
5,247	58,157	55,237.36	2,919.64	37.90	39.90	7.62
3,773	45,962	47,065.68	*1,103.68*	44.90	43.85	9.44
1,476	16,816	16,602.67	213.33	40.50	41.03	8.55
1,081	12,463	12,551.86	*88.86*	41.80	41.50	8.15
3,168	39,329	40,571.10	*1,242.10*	46.10	44.69	8.64
597	7,324	7,120.45	203.55	43.00	44.23	7.99
24,453	295,395	304,294.29	*8,899.29*	44.80	43.49	8.01
33,856	394,687	390,279.84	4,407.16	41.50	41.97	7.08
13,617	156,899	158,489.20	*1,590.20*	41.90	41.47	8.25
437,983	4,853,030	4,902,975.57	*49,945.57*	40.30	39.89	6.88
25,133	295,936	303,694.90	*7,758.90*	43.50	42.39	7.76
1,798	19,189	19,731.59	*542.59*	39.50	38.42	7.66
2,200	27,194	27,986.87	*792.87*	45.80	44.50	9.27
3,235	37,073	39,189.13	*2,116.13*	43.60	41.24	9.23
1,159	12,768	12,650.03	117.97	39.30	39.67	8.12
3,439	41,199	40,987.04	211.96	42.90	43.12	8.40
339	4,056	4,087.56	*31.56*	43.50	43.16	9.25
2,974	31,613	33,053.00	*1,440.00*	40.00	38.25	7.95
12,502	148,981	155,581.44	*6,600.44*	44.80	42.90	8.74
2,718	32,348	31,710.70	637.30	42.00	42.84	8.27
609	6,446	6,391.38	54.62	37.80	38.12	9.35
1,768	22,230	23,140.63	*910.63*	47.10	45.25	8.22
2,057	24,814	25,423.60	*609.60*	44.50	43.43	10.47
3,200	35,929	37,771.16	*1,842.16*	42.50	40.43	8.09
10,703	129,366	131,404.03	*2,038.03*	44.20	43.52	8.05
1,173	14,329	14,494.41	*165.41*	44.50	44.00	8.89
1,786	20,466	20,342.15	123.85	41.00	41.24	8.24
32,257	320,284	322,573.50	*2,289.50*	36.00	35.75	6.79
1,813	20,294	20,144.67	149.33	40.00	40.30	8.43
1,686	20,799	20,466.51	332.49	43.70	44.41	9.35
15,147	177,676	180,511.77	*2,835.77*	42.90	42.22	7.30
3,412	38.948	38,470.53	477.47	40.60	41.10	9.28
32,545	367,684	373,363.37	*5,679.37*	41.30	40.67	7.20
7,413	86,286	87,311.85	*1,025.85*	42.40	41.90	8,36
1,132	13,590	13,319.96	270.04	42.40	43.26	9.82
4,794	51,894	51,275.28	618.72	38.50	38.97	7.45
1,528	18,151	18,678.35	*527.35*	44.00	42.75	9.35
7,604	82,679	84,062.24	*1,383.24*	39.80	39.15	8.27
13,112	148,329	150,232.51	*1,903.51*	41.25	40.73	8.36
1,305	13,442	13,376.26	65.74	36.90	37.08	9.37

STATEMENT OF THE ALLOCATION OF THE

for the Year

Municipality	Primary Power and Energy Supplied during Year (Principal Bases of Cost Allocation)		Cost of			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardization	Credits Resulting from Matured Sinking Fund	Total, before Reserve Withdrawals
	kw	megawatt-hours	$	$	$	$
Newboro	112.3	492.0	4,827	.....	.....	4,827
Newburgh	282.0	1,320.2	12,938	.....	.....	12,938
Newbury	126.8	597.4	5,663	634	*197*	6,100
Newcastle	958.7	4,812.8	39,939	.....	.....	39,939
New Hamburg	1,491.4	7,432.8	66,447	7,457	*4,163*	69,741
Newmarket	6,926.7	36,695.7	279,896	34,633	7	314,522
New Toronto	28,937.7	169,977.7	1,189,586	144,689	*28,987*	1,305,288
Niagara	1,609.9	8,780.2	68,605	8,049	*1,507*	75,147
Niagara Falls	33,068.1	187,442.7	1,319,411	165,340	*41,996*	1,442,755
Nipigon Twp.	1,574.9	9,595.8	67,241	.....	.....	67,241
North Bay	15,617.6	90,417.2	656,848	.....	.....	656,848
North York Twp.	203,756.8	1,162,845.9	8,079,970	1,018,784	*6*	9,098,748
Norwich	893.0	4,630.4	41,456	4,465	*3,999*	41,922
Norwood	619.3	3,137.6	27,980	.....	.....	27,980
Oakville	57,042.0	372,619.6	2,400,615	285,210	*20*	2,685,805
Oil Springs	300.8	1,836.9	14,726	1,504	*1,932*	14,298
Omemee	431.2	2,195.5	20,766	.....	.....	20,766
Orangeville	3,581.0	18,599.0	164,415	.....	*4,596*	159,819
Orillia	6,386.1	38,667.6	301,642	.....	.....	301,642
Orono	604.8	2,952.3	26,437	.....	.....	26,437
Oshawa	77,637.1	443,918.2	3,054,828	.....	.....	3,054,828
Ottawa	188,151.7	1,041,561.5	7,441,441	.....	*230*	7,441,211
Otterville	389.0	1,791.2	16,457	1,945	*748*	17,654
Owen Sound	12,577.9	68,699.7	520,978	.....	*20,635*	500,343
Paisley	502.3	2,299.7	21,520	.....	*7*	21,513
Palmerston	1,154.2	6,107.7	45,068	5,771	*3,686*	47,153
Paris	3,635.1	19,130.7	144,866	18,176	*10,343*	152,699
Parkhill	946.0	4,567.6	43,406	4,730	*520*	47,616
Parry Sound	2,661.8	16,931.5	126,033	.....	.....	126,033
Penetanguishene	2,682.1	15,479.1	118,269	.....	*6,245*	112,024
Perth	4,447.1	22,616.0	195,170	.....	.....	195,170
Peterborough	40,664.1	245,194.6	1,691,734	.....	.....	1,691,734
Petrolia	2,041.7	9,772.7	93,184	10,208	*11,049*	92,343
Petrolia Waterworks	167.2	890.1	7,358	836	.....	8,194
Pickering	928.8	4,855.5	39,963	.....	.....	39,963
Picton	3,956.6	20,787.0	172,758	.....	.....	172,758
Plattsville	664.8	2,222.4	26,457	3,324	*871*	28,910
Point Edward	5,266.8	24,688.4	205,114	26,334	*1,905*	229,543
Port Arthur	44,948.4	228,499.3	1,720,373	.....	.....	1,720,373
Port Burwell	268.9	1,299.6	12,261	1,345	*35*	13,571

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1963

Primary Power				Rates		
				Interim	Actual	
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance (*Refunded* or Charged)	per Kw per Annum	per Kw per Annum	Mills per Kwh
$	$	$	$	$	$	
404	4,423	4,233.41	189.59	37.70	39.37	8.99
1,015	11,923	11,787.24	135.76	41.80	42.28	9.03
456	5,644	5,744.43	*100.43*	45.30	44.51	9.45
3,452	36,487	36,813.76	*326.76*	38.40	38.06	7.58
5,369	64,372	64,726.77	*354.77*	43.40	43.16	8.66
24,936	289,586	300,618.08	*11,032.08*	43.40	41.81	7.89
104,175	1,201,113	1,206,700.73	*5,587.73*	41.70	41.51	7.07
5,796	69,351	70,837.43	*1,486.43*	44.00	43.07	7.90
119,045	1,323,710	1,339,257.74	*15,547.74*	40.50	40.03	7.06
7,245	59,996	61,104.51	*1,108.51*	38.80	38.10	6.25
56,223	600,625	601,278.90	*653.90*	38.50	38.46	6.64
733,525	8,365,223	8,496,657.89	*131,434.89*	41.70	41.05	7.19
3,214	38,708	39,825.58	*1,117.58*	44.60	43.34	8.36
2,230	25,750	26,256.91	*506.91*	42.40	41.58	8.21
205,352	2,480,453	2,498,439.25	*17,986.25*	43.80	43.49	6.66
1,083	13,215	12,635.00	580.00	42.00	43.94	7.19
1,552	19,214	18,843.82	370.18	43.70	44.56	8.75
12,891	146,928	153,088.14	*6,160.14*	42.75	41.03	7.90
22,990	278,652	254,167.48	24,484.52	39.80	43.63	7.21
2,177	24,260	24,311.96	*51.96*	40.20	40.11	8.22
279,493	2,775,335	2,763,880.17	11,454.83	35.60	35.75	6.25
677,346	6,763,865	6,735,832.07	28,032.93	35.80	35.95	6.49
1,401	16,253	16,763.76	*510.76*	43.10	41.79	9.07
45,281	455,062	450,290.33	4,771.67	35.80	36.18	6.62
1,808	19,705	20,140.56	*435.56*	40.10	39.23	8.57
4,155	42,998	43,166.15	*168.15*	37.40	37.26	7.04
13,086	139,613	137,771.24	1,841.76	37.90	38.40	7.30
3,406	44,210	45,500.99	*1,290.99*	48.10	46.73	9.68
9,583	116,450	114,989.76	1,460.24	43.20	43.75	6.88
9,655	102,369	99,505.62	2,863.38	37.10	38.17	6.61
16,010	179,160	176,548.89	2,611.11	39.70	40.29	7.92
146,390	1,545,344	1,533,037.82	12,306.18	37.70	38.00	6.30
7,350	84,993	87,794.53	*2,801.53*	43.00	41.63	8.70
602	7,592	7,656.62	*64.62*	45.80	45.41	8.53
3,344	36,619	37,153.66	*534.66*	40.00	39.43	7.54
14,244	158,514	159,846.31	*1,332.31*	40.40	40.07	7.63
2,393	26,517	28,920.64	*2,403.64*	43.50	39.89	11.93
18,960	210,583	211,725.07	*1,142.07*	40.20	39.98	8.53
206,763	1,513,610	1,573,194.01	*59,584.01*	35.00	33.67	6.62
968	12,603	12,505.03	97.97	46.50	46.87	9.70

STATEMENT OF THE ALLOCATION OF THE

for the Year

Municipality	Primary Power and Energy Supplied during Year (Principal Bases of Cost Allocation)		Cost of			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardization	Credits Resulting from Matured Sinking Fund	Total, before Reserve Withdrawals
	kw	megawatt-hours	$	$	$	$
Port Colborne	7,822.4	46,434.8	330,058	39,112	*5,039*	364,131
Port Credit	13,671.5	94,765.6	588,767	68,357	*2,076*	655,048
Port Dover	2,336.6	13,125.3	99,770	11,683	*598*	110,855
Port Elgin	1,480.3	8,136.2	71,526	.....	.....	71,526
Port Hope	7,879.1	40,867.7	311,020	.....	.....	311,020
Port McNicoll	1,121.5	4,345.6	45,767	.....	*459*	45,308
Port Perry	1,505.2	7,533.6	68,908	.....	*639*	68,269
Port Rowan	305.0	1,490.1	13,609	1,525	.....	15,134
Port Stanley	1,071.1	5,603.2	50,825	5,356	*3,410*	52,771
Prescott	3,491.5	17,573.9	155,422	.....	*4,423*	150,999
Preston	9,377.6	50,133.8	371,256	46,888	*25,000*	393,144
Priceville	54.3	235.2	2,429	.....	*8*	2,421
Princeton	285.1	1,312.8	12,616	1,425	*603*	13,438
Queenston	344.3	1,919.6	14,635	1,722	*309*	16,048
Rainy River	554.5	2,784.0	27,327	.....	.....	27,327
Red Rock	895.0	4,464.0	35,666	.....	.....	35,666
Renfrew	4,452.6	20,446.9	181,391	.....	.....	181,391
Richmond	742.0	3,938.6	31,037	.....	.....	31,037
Richmond Hill	10,440.8	58,278.6	429,637	52,204	.....	481,841
Ridgetown	1,531.2	7,485.7	70,223	7,656	*3,729*	74,150
Ripley	344.2	1,576.8	15,622	.....	*46*	15,576
Riverside	7,142.3	35,659.0	292,259	35,711	*3,185*	324,785
Rockland	1,279.9	6,260.2	53,254	.....	.....	53,254
Rockwood	408.8	1,984.0	17,545	2,044	*1,154*	18,435
Rodney	527.5	2,596.8	23,779	2,638	*1,049*	25,368
Rosseau	134.2	547.8	6,036	.....	.....	6,036
Russell	332.4	1,593.6	13,827	.....	.....	13,827
St. Catharines	88,412.1	522,869.0	3,542,722	442,060	*45,857*	3,938,925
St. Clair Beach	626.4	3,020.4	26,509	3,132	*507*	29,134
St. George	510.6	2,489.6	22,255	2,553	*1,234*	23,574
St. Jacobs	561.1	2,343.7	25,479	2,806	*641*	27,644
St. Mary's	11,887.2	80,079.8	504,668	59,436	*9,572*	554,532
St. Thomas	16,762.1	95,531.0	669,896	83,810	*36,449*	717,257
Sandwich East Twp.	7,488.8	40,196.8	302,469	37,444	*51*	339,862
Sandwich West Twp.	14,049.7	74,700.2	582,686	70,249	.....	652,935
Sarnia	138,097.5	1,098,405.8	6,185,231	690,487	*50,806*	6,824,912
Scarborough Twp.	155,455.2	849,844.4	6,164,926	777,276	*3,889*	6,938,313
Schreiber Twp.	1,398.8	7,790.4	58,456	.....	.....	58,456
Seaforth	1,815.4	8,496.6	68,977	9,077	*6,205*	71,849
Shelburne	972.1	4,798.8	46,135	.....	*2,589*	43,546

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1963

Primary Power				Rates		
				Interim	Actual	
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance (*Refunded* or Charged)	per Kw per Annum	per Kw per Annum	Mills per Kwh
$	$	$	$	$	$	
28,161	335,970	338,710.30	*2,740.30*	43.30	42.95	7.24
49,217	605,831	628,890.92	*23,059.92*	46.00	44.32	6.39
8,412	102,443	103,746.89	*1,303.89*	44.40	43.84	7.81
5,329	66,197	66,981.33	*784.33*	45.25	44.72	8.14
28,365	282,655	283,645.80	*990.80*	36.00	35.87	6.92
4,038	41,270	40,711.97	558.03	36.30	36.80	9.50
5,419	62,850	65,173.73	*2,323.73*	43.30	41.76	8.34
1,098	14,036	14,609.12	*573.12*	47.90	46.02	9.42
3,856	48,915	49,054.10	*139.10*	45.80	45.67	8.73
12,569	138,430	137,912.63	517.37	39.50	39.64	7.88
33,759	359,385	361,039.22	*1,654.22*	38.50	38.32	7.17
195	2,226	2,232.07	*6.07*	41.10	40.98	9.46
1,027	12,411	12,831.40	*420.40*	45.00	43.53	9.45
1,239	14,809	15,047.74	*238.74*	43.70	43.01	7.71
1,996	25,331	27,726.24	*2,395.24*	50.00	45.68	9.10
4,117	31,549	32,039.22	*490.22*	35.80	35.25	7.07
16,030	165,361	166,974.09	*1,613.09*	37.50	37.14	8.09
2,671	28,366	27,678.17	687.83	37.30	38.22	7.20
37,587	444,254	470,878.60	*26,624.60*	45.10	42.55	7.62
5,512	68,638	69,974.31	*1,336.31*	45.70	44.82	9.17
1,239	14,337	14,799.55	*462.55*	43.00	41.66	9.09
25,713	299,072	308,547.36	*9,475.36*	43.20	41.87	8.39
4,607	48,647	48,636.84	10.16	38.00	38.01	7.77
1,471	16,964	18,068.23	*1,104.23*	44.20	41.50	8.55
1,899	23,469	23,841.87	*372.87*	45.20	44.49	9.04
483	5,553	5,715.87	*162.87*	42.60	41.38	10.14
1,197	12,630	12,397.27	232.73	37.30	38.00	7.93
318,284	3,620,641	3,607,214.70	13,426.30	40.80	40.95	6.92
2,255	26,879	27,497.14	*618.14*	43.90	42.91	8.90
1,838	21,736	22,466.39	*730.39*	44.00	42.57	8.73
2,020	25,624	26,315.59	*691.59*	46.90	45.67	10.93
42,794	511,738	521,848.81	*10,110.81*	43.90	43.04	6.39
60,343	656,914	658,750.54	*1,836.54*	39.30	39.19	6.88
26,960	312,902	321,269.19	*8,367.19*	42.90	41.78	7.78
50,579	602,356	599,921.12	2,434.88	42.70	42.87	8.06
497,151	6,327,761	6,352,482.69	*24,721.69*	46.00	45.82	5.76
559,639	6,378,674	6,498,028.41	*119,354.41*	41.80	41.03	7.51
6,434	52,022	53,573.73	*1,551.73*	38.30	37.19	6.68
6,535	65,314	66,624.26	*1,310.26*	36.70	35.98	7.69
3,500	40,046	41,510.46	*1,464.46*	42.70	41.20	8.35

STATEMENT OF THE ALLOCATION OF THE

for the Year

Municipality	Primary Power and Energy Supplied during Year (Principal Bases of Cost Allocation)		Cost of			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardization	Credits Resulting from Matured Sinking Fund	Total, before Reserve Withdrawals
	kw	megawatt-hours	$	$	$	$
Simcoe	8,185.5	44,868.7	327,158	40,928	*5,123*	362,963
Sioux Lookout	1,719.4	10,276.8	87,998	.....	.....	87,998
Smith's Falls	8,922.1	46,632.3	351,871	.....	.....	351,871
Smithville	605.3	2,912.3	27,181	3,026	.....	30,207
Southampton	1,356.7	7,528.7	66,507	.....	.....	66,507
South River	366.1	1,962.6	17,992	.....	.....	17,992
Springfield	240.0	1,077.6	9,832	1,200	*660*	10,372
Stayner	1,120.0	6,144.0	48,852	.....	*1,426*	47,426
Stirling	1,016.1	4,923.2	41,340	.....	.....	41,340
Stoney Creek	3,946.6	19,592.1	161,923	19,733	.....	181,656
Stouffville	2,258.9	11,233.5	92,493	11,295	*85*	103,703
Stratford	18,077.1	99,543.7	711,362	90,385	*50,333*	751,414
Strathroy	4,719.6	24,699.1	184,204	23,598	*7,632*	200,170
Streetsville	3,334.4	17,600.5	136,560	16,672	.....	153,232
Sturgeon Falls	2,950.0	14,822.4	125,691	.....	.....	125,691
Sudbury	41,388.3	242,417.2	1,805,560	.....	.....	1,805,560
Sunderland	442.6	2,007.2	19,978	.....	*1,580*	18,398
Sundridge	402.3	2,118.0	18,978	.....	.....	18,978
Sutton	1,135.5	6,089.6	52,308	5,678	*101*	57,885
Swansea	6,098.2	36,562.1	250,086	30,491	.....	280,577
Tara	489.2	2,450.4	22,274	.....	*31*	22,243
Tavistock	861.9	4,514.4	38,675	4,309	*2,986*	39,998
Tecumseh	1,433.2	7,394.6	61,615	7,166	*1,522*	67,259
Teeswater	788.2	3,621.6	36,641	.....	*98*	36,543
Terrace Bay Twp.	1,503.5	9,112.7	59,683	.....	.....	59,683
Thamesford	857.6	4,708.8	41,092	4,288	*1,644*	43,736
Thamesville	824.5	3,542.1	37,724	4,123	*1,353*	40,494
Thedford	481.7	2,474.0	22,470	2,408	*315*	24,563
Thessalon	777.7	4,331.6	35,716	.....	.....	35,716
Thornbury	1,045.9	5,440.0	49,696	.....	.....	49,696
Thorndale	238.1	1,012.0	10,376	1,191	*965*	10,602
Thornton	142.6	605.2	6,029	.....	*18*	6,011
Thorold	14,561.1	87,159.7	588,826	72,805	*5,773*	655,858
Tilbury	1,527.6	6,963.2	68,816	7,638	*3,369*	73,085
Tillsonburg	6,035.0	29,940.5	230,006	30,175	*6,285*	253,896
Toronto	626,730.3	3,732,555.6	25,079,484	3,133,652	*1,582,158*	26,630,978
Toronto Twp.	59,168.2	376,346.3	2,468,522	295,841	*4,727*	2,759,636
Tottenham	412.6	2,123.2	19,471	.....	*49*	19,422
Trenton	15,126.8	92,319.0	619,699	.....	.....	619,699
Tweed	1,294.0	6,105.8	54,002	.....	.....	54,002

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1963

Primary Power				Rates		
				Interim	Actual	
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance (*Refunded* or Charged)	per Kw per Annum	per Kw per Annum	Mills per Kwh
$	$	$	$	$	$	
29,468	333,495	338,878.00	*5,383.00*	41.40	40.74	7.43
6,190	81,808	85,972.09	*4,164.09*	50.00	47.58	7.96
32,120	319,751	318,519.00	1,232.00	35.70	35.84	6.86
2,179	28,028	28,509.26	*481.26*	47.10	46.31	9.62
4,884	61,623	61,731.01	*108.01*	45.50	45.42	8.19
1,318	16,674	17,622.00	*948.00*	48.13	45.54	8.50
864	9,508	9,841.36	*333.36*	41.00	39.62	8.82
4,032	43,394	41,776.02	1,617.98	37.30	38.75	7.06
3,658	37,682	36,987.56	694.44	36.40	37.09	7.65
14,208	167,448	174,438.63	*6,990.63*	44.20	42.43	8.55
8,132	95,571	97,134.15	*1,563.15*	43.00	42.31	8.51
65,077	686,337	681,507.64	4,829.36	37.70	37.97	6.89
16,991	183,179	185,953.24	*2,774.24*	39.40	38.81	7.42
12,004	141,228	144,044.64	*2,816.64*	43.20	42.35	8.02
10,620	115,071	120,950.70	*5,879.70*	41.00	39.01	7.76
148,998	1,656,562	1,744,517.93	*87,955.93*	42.15	40.02	6.83
1,593	16,805	17,526.63	*721.63*	39.60	37.97	8.37
1,449	17,529	18,105.02	*576.02*	45.00	43.57	8.28
4,088	53,797	54,730.31	*933.31*	48.20	47.38	8.83
21,953	258,624	263,440.80	*4,816.80*	43.20	42.41	7.07
1,761	20,482	20,300.79	181.21	41.50	41.87	8.36
3,103	36,895	37,665.04	*770.04*	43.70	42.81	8.17
5,160	62,099	62,773.09	*674.09*	43.80	43.33	8.40
2,837	33,706	34,838.44	*1,132.44*	44.20	42.77	9.31
6,916	52,767	54,197.69	*1,430.69*	36.05	35.10	5.79
3,087	40,649	40,821.39	*172.39*	47.60	47.40	8.63
2,968	37,526	38,586.21	*1,060.21*	46.80	45.51	10.59
1,734	22,829	23,024.48	*195.48*	47.80	47.40	9.23
2,799	32,917	34,219.90	*1,302.90*	44.00	42.32	7.60
3,766	45,930	46,020.34	*90.34*	44.00	43.92	8.44
857	9,745	10,025.77	*280.77*	42.10	40.93	9.63
513	5,498	5,517.68	*19.68*	38.70	38.55	9.08
52,420	603,438	618,847.10	*15,409.10*	42.50	41.44	6.92
5,500	67,585	69,507.71	*1,922.71*	45.50	44.24	9.71
21,726	232,170	235,968.18	*3,798.18*	39.10	38.47	7.75
2,256,229	24,374,749	24,881,194.21	*506,445.21*	39.70	38.90	6.53
213,005	2,546,631	2,621,149.79	*74,518.79*	44.30	43.04	6.77
1,485	17,937	17,781.62	155.38	43.10	43.47	8.45
54,456	565,243	561,203.67	4,039.33	37.10	37.37	6.12
4,658	49,344	49,688.00	*344.00*	38.40	38.13	8.08

STATEMENT OF THE ALLOCATION OF THE

for the Year

Municipality	Primary Power and Energy Supplied during Year (Principal Bases of Cost Allocation)		Cost of			
	Average of Monthly Peak Loads	Energy	Operating Costs and Fixed Charges	Frequency Standardization	Credits Resulting from Matured Sinking Fund	Total, before Reserve Withdrawals
	kw	megawatt-hours	$	$	$	$
Uxbridge	1,876.9	9,592.8	87,070	.....	*641*	86,429
Vankleek Hill	750.5	3,521.5	31,362	.....	.....	31,362
Victoria Harbour	474.6	2,286.4	22,180	.....	*621*	21,559
Walkerton	3,595.7	16,472.5	143,005	.....	.....	143,005
Wallaceburg	8,715.2	50,002.1	354,223	43,576	*12,573*	385,226
Wardsville	177.4	873.8	7,966	887	*87*	8,766
Warkworth	323.5	1,309.4	13,622	.....	.....	13,622
Wasaga Beach	826.9	3,344.0	35,092	.....	.....	35,092
Waterdown	1,017.7	5,452.8	42,728	5,088	*1,885*	45,931
Waterford	1,385.0	5,773.2	57,222	6,925	*2,453*	61,694
Waterloo	20,542.6	113,184.1	750,388	102,713	*18,387*	834,714
Watford	1,336.3	6,521.4	59,963	6,682	*1,928*	64,717
Waubaushene	344.6	1,649.6	16,235	.....	*317*	15,918
Webbwood	176.0	832.2	7,927	.....	.....	7,927
Welland	28,348.1	153,434.9	1,107,439	141,740	*18,367*	1,230,812
Wellesley	448.0	1,886.4	19,008	2,240	*2,388*	18,860
Wellington	575.4	2,697.8	27,274	.....	.....	27,274
West Ferris Twp.	4,353.9	22,668.4	181,996	.....	.....	181,996
West Lorne	1,072.8	4,910.4	48,591	5,364	*3,157*	50,798
Weston	9,449.3	54,179.3	381,837	47,247	*19,606*	409,478
Westport	423.2	2,070.4	18,775	.....	.....	18,775
Wheatley	867.5	4,028.5	39,501	4,337	.....	43,838
Whitby	12,700.1	70,818.7	504,847	.....	.....	504,847
Wiarton	1,354.2	7,341.6	64,654	.....	.....	64,654
Williamsburg	265.9	1,218.6	12,431	.....	*536*	11,895
Winchester	1,342.3	7,179.0	62,405	.....	*2,273*	60,132
Windermere	153.5	665.4	6,724	.....	.....	6,724
Windsor	81,986.3	451,304.0	3,237,024	409,932	*205,242*	3,441,714
Wingham	2,540.7	13,319.3	112,645	.....	*236*	112,409
Woodbridge	1,800.3	9,895.6	80,110	9,001	*3,160*	85,951
Woodstock	19,660.7	109,660.1	776,802	98,304	*26,847*	848,259
Woodville	223.7	1,072.8	10,696	.....	*1,937*	8,759
Wyoming	440.3	2,081.0	20,238	2,201	*866*	21,573
York Twp.	62,874.9	381,285.6	2,536,845	314,375	*62,385*	2,788,835
Zurich	426.9	1,986.8	19,603	2,134	*1,610*	20,127
Total Municipalities	3,821,686.9	22,372,244.1	155,508,823	14,588,049	*3,476,660*	166,620,212

Note: The notes to the Summary of the Allocation of the Cost of Primary Power on page 27 are an integral part of this statement.

COST OF PRIMARY POWER TO MUNICIPALITIES

Ended December 31, 1963

Primary Power				Rates		
				Interim	Actual	
Withdrawals from Reserve for Stabilization of Rates and Contingencies	Cost of Primary Power Allocated	Amounts Billed at Interim Rates	Balance (*Refunded* or Charged)	per Kw per Annum	per Kw per Annum	Mills per Kwh
$	$	$	$	$	$	
6,757	79,672	81,834.66	*2,162.66*	43.60	42.45	8.11
2,702	28,660	29,643.11	*983.11*	39.50	38.19	8.14
1,709	19,850	19,934.60	*84.60*	42.00	41.82	8.68
12,944	130,061	130,885.00	*824.00*	36.40	36.17	7.90
31,375	353,851	357,323.55	*3,472.55*	41.00	40.60	7.08
639	8,127	8,229.04	*102.04*	46.40	45.81	9.30
1,165	12,457	12,455.07	1.93	38.50	38.52	9.51
2,977	32,115	31,754.56	360.44	38.40	38.84	9.60
3,663	42,268	42,844.82	*576.82*	42.10	41.53	7.75
4,986	56,708	59,417.60	*2,709.60*	42.90	40.95	9.82
73,954	760,760	768,292.63	*7,532.63*	37.40	37.03	6.72
4,810	59,907	61,871.46	*1,964.46*	46.30	44.83	9.19
1,241	14,677	14,473.90	203.10	42.00	42.59	8.90
634	7,293	7,543.40	*250.40*	42.85	41.44	8.76
102,053	1,128,759	1,150,932.19	*22,173.19*	40.60	39.82	7.36
1,613	17,247	17,696.99	*449.99*	39.50	38.50	9.14
2,071	25,203	25,087.79	115.21	43.60	43.80	9.34
15,675	166,321	176,986.01	*10,665.01*	40.65	38.20	7.34
3,862	46,936	47,633.43	*697.43*	44.40	43.75	9.56
34,018	375,460	379,860.87	*4,400.87*	40.20	39.74	6.93
1,524	17,251	17,096.61	154.39	40.40	40.76	8.33
3,123	40,715	41,119.12	*404.12*	47.40	46.93	10.11
45,720	459,127	462,283.02	*3,156.02*	36.40	36.15	6.48
4,875	59,779	61,346.43	*1,567.43*	45.30	44.14	8.14
957	10,938	11,167.45	*229.45*	42.00	41.14	8.98
4,833	55,299	55,035.67	263.33	41.00	41.20	7.70
553	6,171	6,279.16	*108.16*	40.90	40.20	9.27
295,151	3,146,563	3,115,478.13	31,084.87	38.00	38.38	6.97
9,146	103,263	107,980.47	*4,717.47*	42.50	40.65	7.75
6,481	79,470	80,291.14	*821.14*	44.60	44.14	8.03
70,778	777,481	782,495.52	*5,014.52*	39.80	39.54	7.09
806	7,953	7,829.50	123.50	35.00	35.55	7.41
1,585	19,988	20,429.14	*441.14*	46.40	45.39	9.60
226,350	2,562,485	2,584,159.09	*21,674.09*	41.10	40.76	6.72
1,537	18,590	19,466.64	*876.64*	45.60	43.55	9.36
13,845,199	152,775,013	154,480,457.01	*1,705,444.01*	....	....	....

STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES THROUGH SINKING FUND PROVISIONS AND INTEREST

for the Year Ended December 31, 1963

Municipality	Balance at December 31, 1962	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1963
	$	$	$	$
Acton	455,224.22	33,197.65	.....	488,421.87
Ailsa Craig	56,577.57	1,617.48	.....	58,195.05
Ajax	162,507.82	35,552.31	.....	198,060.13
Alexandria	178,469.26	15,866.74	.....	194,336.00
Alfred	13,549.50	3,241.98	.....	16,791.48
Alliston	175,266.08	18,403.05	.....	193,669.13
Almonte	79,598.89	12,046.96	.....	91,645.85
Alvinston	61,548.57	3,088.36	.....	64,636.93
Amherstburg	363,166.26	28,837.11	.....	392,003.37
Ancaster Twp.	160,723.61	16,022.94	.....	176,746.55
Apple Hill	15,241.79	860.24	.....	16,102.03
Akrona	38,081.52	3,042.26	.....	41,123.78
Arnprior	275,916.06	31,282.64	.....	307,198.70
Arthur	93,260.19	4,141.31	.....	97,401.50
Athens	41,896.72	3,898.87	.....	45,795.59
Atikokan Twp.	127,772.65	20,216.91	.....	147,989.56
Aurora	254,639.37	35,816.57	.....	290,455.94
Avonmore	6,409.35	1,037.37	.....	7,446.72
Aylmer	344,660.52	30,598.29	.....	375,258.81
Ayr	81,628.00	5,192.42	.....	86,820.42
Baden	128,749.54	5,639.83	.....	134,389.37
Bancroft	52,774.61	8,979.98	.....	61,754.59
Barrie	1,213,945.73	120,526.28	.....	1,334,472.01
Barry's Bay	18,069.64	3,104.79	.....	21,174.43
Bath	22,817.25	2,643.69	.....	25,460.94
Beachburg	12,587.99	2,155.52	.....	14,743.51
Beachville	228,015.34	14,591.50	.....	242,606.84
Beamsville	108,449.98	11,423.00	.....	119,872.98
Beaverton	106,924.17	7,393.21	.....	114,317.38
Beeton	69,739.11	5,125.08	.....	74,864.19
Belle River	76,112.65	6,282.29	.....	82,394.94
Belleville	1,623,072.98	163,386.92	.....	1,786,459.90
Belmont	.....	2,323.66	10,483.38	12,807.04
Blenheim	194,541.49	11,796.28	335.45	206,673.22
Bloomfield	44,788.57	3,756.54	.....	48,545.11
Blyth	68,260.67	6,272.43	.....	74,533.10
Bobcaygeon	39,645.68	5,718.83	.....	45,364.51
Bolton	95,420.51	6,887.90	.....	102,308.41
Bothwell	66,433.02	2,005.39	.....	68,438.41
Bowmanville	576,530.80	52,486.23	.....	629,017.03
Bracebridge	3,930.24	1,392.21	.....	5,322.45
Bradford	139,733.59	14,362.24	.....	154,095.83
Braeside	41,770.90	8,643.84	.....	50,414.74
Brampton	1,020,777.94	108,387.37	.....	1,129,165.31
Brantford	5,309,768.95	327,339.40	.....	5,637,108.35

STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES THROUGH SINKING FUND PROVISIONS AND INTEREST

for the Year Ended December 31, 1963

Municipality	Balance at December 31, 1962	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1963
	$	$	$	$
Brantford Twp.	304,495.63	41,207.42	.....	345,703.05
Brechin	22,712.39	441.24	.....	23,153.63
Bridgeport	63,964.24	6,528.57	.....	70,492.81
Brigden	47,700.00	1,349.38	.....	49,049.38
Brighton	117,785.28	11,806.41	.....	129,591.69
Brockville	1,323,670.91	99,087.87	.....	1,422,758.78
Brussels	79,386.97	6,309.48	.....	85,696.45
Burford	82,230.15	5,516.75	.....	87,746.90
Burgessville	26,079.57	1,352.23	.....	27,431.80
Burk's Falls	27,330.52	4,975.22	.....	32,305.74
Burlington	1,057,681.59	192,563.31	.....	1,250,244.90
Cache Bay	5,870.20	2,368.81	.....	8,239.01
Caledonia	121,154.89	8,235.08	.....	129,389.97
Campbellford	11,639.88	5,781.60	.....	17,421.48
Campbellville	17,990.64	1,407.92	.....	19,398.56
Cannington	75,002.88	4,001.41	.....	79,004.29
Capreol	21,291.81	9,411.67	.....	30,703.48
Cardinal	77,706.10	7,195.24	.....	84,901.34
Carleton Place	452,850.66	33,932.03	.....	486,782.69
Casselman	26,450.69	4,909.03	.....	31,359.72
Cayuga	56,228.71	4,542.15	.....	60,770.86
Chalk River	17,905.37	2,998.21	.....	20,903.58
Chatham	2,201,983.24	140,626.06	.....	2,342,609.30
Chatsworth	30,325.80	1,804.88	.....	32,130.68
Chesley	180,845.83	7,824.97	.....	188,670.80
Chesterville	137,577.97	8,171.08	.....	145,749.05
Chippawa	105,689.98	9,202.54	.....	114,892.52
Clifford	45,405.58	3,612.22	.....	49,017.80
Clinton	256,151.33	16,069.61	.....	272,220.94
Cobden	39,138.23	4,451.53	.....	43,589.76
Cobourg	654,704.74	72,062.06	.....	726,766.80
Cochrane	25,586.67	12,461.47	.....	38,048.14
Colborne	66,233.92	7,365.36	.....	73,599.28
Coldwater	64,171.60	3,685.41	.....	67,857.01
Collingwood	693,136.68	39,789.48	.....	732,926.16
Comber	67,038.89	1,992.12	.....	69,031.01
Coniston	8,412.73	5,185.51	.....	13,598.24
Cookstown	35,264.82	3,124.56	.....	38,389.38
Cottam	29,418.40	2,399.74	.....	31,818.14
Courtwright	27,425.59	1,914.02	.....	29,339.61
Creemore	58,338.97	3,335.07	.....	61,674.04
Dashwood	42,939.64	1,885.54	.....	44,825.18
Deep River	72,880.03	19,564.72	.....	92,444.75
Delaware	23,966.12	1,643.17	.....	25,609.29
Delhi	154,454.83	17,640.19	.....	172,095.02

STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES THROUGH SINKING FUND PROVISIONS AND INTEREST

for the Year Ended December 31, 1963

Municipality	Balance at December 31, 1962	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1963
	$	$	$	$
Deseronto	82,377.92	8,441.12	.....	90,819.04
Dorchester	42,738.12	3,318.89	.....	46,057.01
Drayton	59,036.53	3,904.01	.....	62,940.54
Dresden	169,738.16	11,088.14	1,216.83	182,043.13
Drumbo	34,562.42	2,062.41	.....	36,624.83
Dryden	111,180.62	19,779.22	.....	130,959.84
Dublin	27,778.03	1,874.26	.....	29,652.29
Dundalk	71,255.59	4,257.56	.....	75,513.15
Dundas	759,320.92	57,417.66	.....	816,738.58
Dunnville	404,676.19	31,550.75	.....	436,226.94
Durham	163,466.28	9,519.63	.....	172,985.91
Dutton	81,609.57	3,338.95	.....	84,948.52
East York Twp.	2,888,879.11	273,523.16	.....	3,162,402.27
Eganville	18,597.31	3,512.89	.....	22,110.20
Elmira	419,826.58	28,360.40	.....	448,186.98
Elmvale	69,850.96	4,145.91	.....	73,996.87
Elmwood	25,552.94	1,891.00	.....	27,443.94
Elora	155,701.04	5,891.72	.....	161,592.76
Embro	52,010.97	2,553.63	.....	54,564.60
Erieau	49,004.99	4,076.20	.....	53,081.19
Erie Beach	8,756.49	675.26	.....	9,431.75
Erin	25,707.94	3,960.32	.....	29,668.26
Espanola	19,264.55	11,674.58	.....	30,939.13
Essex	192,485.65	14,632.39	.....	207,118.04
Etobicoke Twp.	5,231.676.46	803,565.46	.....	6,035.241.92
Exeter	255,092 69	17,003.51	.....	272,096.20
Fergus	396,976.54	27,565.53	.....	424,542.07
Finch	29,960.59	2,560.42	.....	32,521.01
Flesherton	35,712.95	2,368.49	.....	38,081.44
Fonthill	80,541.64	8,845.67	.....	89,387.31
Forest	195,547.14	12,781.15	.....	208,328.29
Forest Hill	1,384,409.82	118,504.39	.....	1,502.914.21
Fort William	5,634,224.16	380,761.97	.....	6,014,986.13
Frankford	32,273.43	4,971.94	.....	37,245.37
Galt	2,840,943.53	170,174.29	.....	3,011,117.82
Georgetown	645,237.26	54,051.21	.....	699,288.47
Glencoe	94,202.33	6,270.89	.....	100,473.22
Goderich	648,510.23	44,928.54	.....	693,438.77
Grand Bend	58,000.58	6,354.63	.....	64,355.21
Grand Valley	65,676.55	3,106.37	.....	68,782.92
Granton	28,904.76	521.38	.....	29,426.14
Gravenhurst	255,592.64	18,762.09	.....	274,354.73
Grimsby	173,462.66	21,711.51	.....	195,174.17
Guelph	3,449,943.96	230,661.21	.....	3,680,605.17
Hagersville	318,833.28	13,324.28	.....	332,157.56

STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES THROUGH SINKING FUND PROVISIONS AND INTEREST

for the Year Ended December 31, 1963

Municipality	Balance at December 31, 1962	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1963
	$	$	$	$
Hamilton	32,713,676.37	2,761,565.45	.....	35,475,241.82
Hanover	432,851.83	17,790.78	.....	450,642.61
Harriston	174,720.37	8,931.39	.....	183,651.76
Harrow	169,511.35	12,841.19	.....	182,352.54
Hastings	38,072.20	3,892.89	.....	41,965.09
Havelock	66,713.10	5,455.52	.....	72,168.62
Hawkesbury	92,509.06	20,547.36	.....	113,056.42
Hearst	8,978.00	9,671.12	.....	18,649.12
Hensall	93,541.04	6,081.46	.....	99,622.50
Hespeler	680,895.39	45,406.51	.....	726,301.90
Highgate	39,671.89	1,338.91	.....	41,010.80
Holstein	13,882.76	702.17	.....	14,584.93
Huntsville	351,896.80	17,575.00	.....	369,471.80
Ingersoll	838,786.31	46,416.02	.....	885,202.33
Iroquois	54,212.65	5,777.51	.....	59,990.16
Jarvis	68,855.78	4,432.23	.....	73,288.01
Kapuskasing	40,414.58	18,206.58	.....	58,621.16
Kemptville	153,015.66	14,858.63	.....	167,874.29
Killaloe Station	11,362.42	2,037.83	.....	13,400.25
Kincardine	271,796.29	22,169.33	.....	293,965.62
King City	2,405.00	5,130.31	19,772.02	27,307.33
Kingston	2,589,039.81	279,412.59	.....	2,868,452.40
Kingsville	227,758.38	16,316.11	.....	244,074.49
Kirkfield	14,056.35	847.04	.....	14,903.39
Kitchener	7,057,646.07	479,017.37	.....	7,536,663.44
Lakefield	119,352.71	11,246.11	.....	130,598.82
Lambeth	74,621.14	6,762.11	.....	81,383.25
Lanark	38,321.33	3,378.85	.....	41,700.18
Lancaster	30,941.62	2,401.24	.....	33,342.86
Larder Lake Twp.	11,638.35	4,731.53	.....	16,369.88
Latchford	2,386.45	872.46	.....	3,258.91
Leamington	624,111.32	53,649.74	.....	677,761.06
Lindsay	831,125.90	77,424.04	.....	908,549.94
Listowel	415,759.14	26,316.10	.....	442,075.24
London	11,457,991.09	750,788.02	.....	12,208,779.11
Long Branch	459,254.44	48,473.18	.....	507,727.62
L'Orignal	13,617.79	2,680.71	.....	16,298.50
Lucan	81,846.63	4,223.08	.....	86,069.71
Lucknow	112,115.50	8,789.99	.....	120,905.49
Lynden	48,517.27	1,340.54	.....	49,857.81
Madoc	80,710.15	7,824.41	.....	88,534.56
Magnetawan	4,661.32	694.45	.....	5,355.77
Markdale	67,843.15	5,089.44	.....	72,932.59
Markham	176,360.78	21,582.07	.....	197,942.85
Marmora	58,424.73	5,879.99	.....	64,304.72

STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES THROUGH SINKING FUND PROVISIONS AND INTEREST

for the Year Ended December 31, 1963

Municipality	Balance at December 31, 1962	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1963
	$	$	$	$
Martintown	14,755.71	1,133.19	.....	15,888.90
Massey	4,689.30	2,687.57	.....	7,376.87
Maxville	54,135.41	4,456.41	.....	58,591.82
McGarry	10,799.83	4,390.99	.....	15,190.82
Meaford	258,016.12	24,522.64	.....	282,538.76
Merlin	50,799.78	2,765.61	.....	53,565.39
Merrickville	22,928.36	3,150.13	.....	26,078.49
Midland	1,021,228.78	57,059.07	.....	1,078,287.85
Mildmay	41,204.75	3,879.19	.....	45,083.94
Millbrook	31,071.62	3,495.86	.....	34,567.48
Milton	487,047.50	24,933.90	.....	511,981.40
Milverton	168,970.98	5,721.30	.....	174,692.28
Mimico	830,648.78	61,345.97	.....	891,994.75
Mitchell	225,976.76	14,137.69	.....	240,114.45
Moorefield	30,333.83	2,352.25	.....	32,686.08
Morrisburg	86,821.50	9,270.86	.....	96,092.36
Mount Brydges	40,214.40	2,847.06	.....	43,061.46
Mount Forest	198,989.42	13,610.81	.....	212,600.23
Napanee	350,350.03	30,997.00	.....	381,347.03
Neustadt	32,599.55	2,685.02	.....	35,284.57
Newboro	5,081.82	682.27	.....	5,764.09
Newburgh	13,189.94	1,852.60	.....	15,042.54
Newbury	20,276.98	1,221.40	.....	21,498.38
Newcastle	58,457.89	6,522.32	.....	64,980.21
New Hamburg	212,357.68	10,909.18	.....	223,266.86
Newmarket	331,599.88	42,738.99	.....	374,338.87
New Toronto	2,695,192.07	201,988.30	.....	2,897,180.37
Niagara	197,907.36	13,479.93	.....	211,387.29
Niagara Falls	3,498,988.11	233,329.00	.....	3,732,317.11
Nipigon Twp.	125,266.98	11,988.68	.....	137,255.66
North Bay	165,526.04	73,590.04	.....	239,116.08
North York Twp.	6,993,410.67	1,133,989.38	.....	8,127,400.05
Norwich	151,662.82	6,009.55	.....	157,672.37
Norwood	53,962.49	4,992.50	.....	58,954.99
Oakville	1,173,512.96	300,109.93	130,000.33	1,603,623.22
Oil Springs	82,879.35	2,807.42	.....	85,686.77
Omemee	32,849.13	3,388.97	.....	36,238.10
Orangeville	305,754.07	24,527.20	.....	330,281.27
Orillia	188,765.58	37,745.62	.....	226,511.20
Orono	29,973.44	3,938.94	.....	33,912.38
Oshawa	4,949,724.39	520,851.98	.....	5,470,576.37
Ottawa	7,557,942.03	1,076,855.44	.....	8,634,797.47
Otterville	46,528.78	2,759.23	.....	49,288.01
Owen Sound	1,373,519.31	85,511.52	.....	1,459,030.83
Paisley	60,485.65	4,594.46	.....	65,080.11

STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES THROUGH SINKING FUND PROVISIONS AND INTEREST

for the Year Ended December 31, 1963

Municipality	Balance at December 31, 1962	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1963
	$	$	$	$
Palmerston	192,515.01	8,453.05	.....	200,968.06
Paris	505,927.48	24,262.14	.....	530,189.62
Parkhill	106,522.71	8,270.40	.....	114,793.11
Parry Sound	100,542.61	17,503.70	.....	118,046.31
Penetanguishene	290,873.79	16,882.30	.....	307,756.09
Perth	445,862.06	37,785.48	.....	483,647.54
Peterborough	3,188,055.08	302,517.20	.....	3,490,572.28
Petrolia	390,010.68	14,178.67	.....	404,189.35
Pickering	17,230.29	4,843.21	.....	22,073.50
Picton	388,410.14	33,521.41	.....	421,931.55
Plattsville	60,059.06	4,242.27	.....	64,301.33
Point Edward	435,985.67	36,464.99	.....	472,450.66
Port Arthur	9,972,752.61	579,416.10	.....	10,552,168.71
Port Burwell	23,408.30	2,154.42	.....	25,562.72
Port Colborne	699,579.41	56,988.92	.....	756,568.33
Port Credit	535,443.46	81,198.12	.....	616,641.58
Port Dover	191,806.22	17,465.29	.....	209,271.51
Port Elgin	130,600.02	12,748.00	.....	143,348.02
Port Hope	663,274.95	58,755.00	1,101.68	723,131.63
Port McNicoll	80,403.58	7,317.33	.....	87,720.91
Port Perry	125,729.64	11,392.69	.....	137,122.33
Port Rowan	39,718.40	3,083.74	.....	42,802.14
Port Stanley	188,748.53	9,048.25	.....	197,796.78
Prescott	335,430.80	24,444.66	.....	359,875.46
Preston	1,168,583.34	58,762.23	.....	1,227,345.57
Priceville	5,585.89	452.09	.....	6,037.98
Princeton	44,401.77	2,438.64	.....	46,840.41
Queenston	38,420.84	2,735.55	.....	41,156.39
Rainy River	2,718.00	3,256.72	.....	5,974.72
Red Rock	49,525.74	5,709.03	.....	55,234.77
Renfrew	196,751.55	26,488.06	.....	223,239.61
Richmond	34,338.84	4,571.55	.....	38,910.39
Richmond Hill	388,501.11	60,825.04	.....	449,326.15
Ridgetown	197,727.12	11,245.74	.....	208,972.86
Ripley	43,908.37	3,392.71	.....	47,301.08
Riverside	567,388.86	49,624.44	.....	617,013.30
Rockland	33,062.57	6,783.50	.....	39,846.07
Rockwood	54,026.12	2,744.89	.....	56,771.01
Rodney	69,404.97	4,390.25	.....	73,795.22
Rosseau	18,347.01	1,334.88	.....	19,681.89
Russell	31,694.32	2,683.77	.....	34,378.09
St. Catharines	6,905,804.16	599,728.08	.....	7,505,532.24
St. Clair Beach	48,800.05	4,157.36	.....	52,957.41
St. George	63,843.97	3,536.85	1,268.31	68,649.13
St. Jacobs	82,430.43	5,240.61	.....	87,671.04

STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES THROUGH SINKING FUND PROVISIONS AND INTEREST

for the Year Ended December 31, 1963

Municipality	Balance at December 31, 1962	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1963
	$	$	$	$
St. Mary's	679,865.05	69,732.10	.....	749,597.15
St. Thomas	2,157,241.34	116,877.90	.....	2,274,119.24
Sandwich East Twp.	298,058.40	43,255.01	.....	341,313.41
Sandwich West Twp.	546,522.85	82,625.91	.....	629,148.76
Sarnia	5,653,182.06	818,547.16	.....	6,471,729.22
Scarborough Twp.	5,610,127.91	871,900.46	.....	6,482,028.37
Schreiber Twp.	64,818.02	8,676.72	.....	73,494.74
Seaforth	240,150.21	10,127.74	.....	250,277.95
Shelburne	110,288.82	6,422.15	.....	116,710.97
Simcoe	706,204.38	57,144.99	.....	763,349.37
Sioux Lookout	8,652.00	10,165.08	.....	18,817.08
Smith's Falls	706,129.61	64,862.18	.....	770,991.79
Smithville	45,598.22	4,642.93	.....	50,241.15
Southampton	124,114.52	11,784.58	.....	135,899.10
South River	2,467.00	1,943.68	.....	4,410.68
Springfield	37,935.00	1,821.83	.....	39,756.83
Stayner	99,188.81	7,342.52	.....	106,531.33
Stirling	76,760.04	7,326.40	.....	84,086.44
Stoney Creek	150,057.88	22,986.32	.....	173,044.20
Stouffville	151,415.21	15,737.80	2,335.37	169,488.38
Stratford	2,428,206.00	117,224.76	.....	2,545,430.76
Strathroy	430,046.56	28,275.74	.....	458,322.30
Streetsville	141,773.23	20,095.93	.....	161,869.16
Sturgeon Falls	28,770.56	13,968.82	.....	42,739.38
Sudbury	344,503.21	197,306.13	.....	541,809.34
Sunderland	45,237.17	2,219.23	.....	47,456.40
Sundridge	16,253.62	2,960.14	.....	19,213.76
Sutton	119,320.80	10,416.18	.....	129,736.98
Swansea	619,442.06	51,143.68	.....	670,585.74
Tara	48,068.57	4,147.44	.....	52,216.01
Tavistock	186,347.12	8,221.52	.....	194,568.64
Tecumseh	162,172.62	11,201.27	.....	173,373.89
Teeswater	73,831.97	6,569.42	.....	80,401.39
Terrace Bay Twp.	98,016.08	10,212.64	.....	108,228.72
Thamesford	83,104.76	5,789.44	.....	88,894.20
Thamesville	91,882.51	6,160.40	.....	98,042.91
Thedford	56,069.27	4,335.58	.....	60,404.85
Thessalon	8,854.41	4,110.18	.....	12,964.59
Thornbury	38,611.57	6,537.46	.....	45,149.03
Thorndale	35,603.64	1,457.14	.....	37,060.78
Thornton	16,577.29	1,253.85	.....	17,831.14
Thorold	890,772.35	91,450.11	.....	982,222.46
Tilbury	259,394.02	14,122.46	.....	273,516.48
Tillsonburg	471,217.68	36,214.96	.....	507,432.64
Toronto	88,065,082.87	4,458,897.33	.....	92,523,980.20
Toronto Twp.	2,443,274.89	352,885.67	.....	2,796,160.56
Tottenham	55,081.54	4,127.09	.....	59,208.63
Trenton	1,042,265.30	105,904.61	.....	1,148,169.91
Tweed	96,257.67	9,375.31	.....	105,632.98
Uxbridge	145,940.88	14,091.42	.....	160,032.30

STATEMENT OF EQUITIES ACCUMULATED BY MUNICIPALITIES THROUGH SINKING FUND PROVISIONS AND INTEREST

for the Year Ended December 31, 1963

Municipality	Balance at December 31, 1962	Net Provision and Interest Added during Year	Equity Acquired through Annexation	Balance at December 31, 1963
	$	$	$	$
Vankleek Hill	21,558.18	4,049.33	.....	25,607.51
Victoria Harbour	35,271.78	2,903.90	.....	38,175.68
Walkerton	226,859.19	23,794.37	.....	250,653.56
Wallaceburg	1,135,098.93	68,856.59	.....	1,203,955.52
Wardsville	22,456.97	1,691.65	.....	24,148.62
Warkworth	27,634.91	2,483.40	.....	30,118.31
Wasaga Beach	28,794.52	4,569.78	.....	33,364.30
Waterdown	107,557.84	6,731.85	.....	114,289.69
Waterford	146,807.59	9,187.99	.....	155,995.58
Waterloo	1,538,273.43	121,535.26	.....	1,659,808.69
Watford	141,356.77	9,806.26	.....	151,163.03
Waubaushene	31,402.71	2,473.43	.....	33,876.14
Webbwood	1,375.99	843.04	.....	2,219.03
Welland	2,055,111.44	178,960.71	.....	2,234,072.15
Wellesley	63,363.82	1,935.87	.....	65,299.69
Wellington	70,839.29	5,563.57	.....	76,402.86
West Ferris Twp.	30,958.63	19,817.35	.....	50,775.98
West Lorne	138,196.50	7,641.51	.....	145,838.01
Weston	1,181,574.26	66,355.46	.....	1,247,929.72
Westport	38,775.33	3,457.01	.....	42,232.34
Wheatley	95,053.10	7,948.12	.....	103,001.22
Whitby	591,735.04	76,926.40	.....	668,661.44
Wiarton	126,181.45	11,581.26	.....	137,762.71
Williamsburg	31,597.92	1,934.47	.....	33,532.39
Winchester	121,929.54	8,760.03	.....	130,689.57
Windermere	16,799.79	1,345.99	.....	18,145.78
Windsor	13,719,665.52	664,984.29	.....	14,384,649.81
Wingham	250,341.98	21,751.96	.....	272,093.94
Woodbridge	221,800.88	13,830.14	.....	235,631.02
Woodstock	2,113,951.91	136,951.13	.....	2,250,903.04
Woodville	33,399.40	405.19	.....	33,804.59
Wyoming	46,160.07	3,030.36	.....	49,190.43
York Twp.	5,456,682.20	418,097.38	.....	5,874,779.58
Zurich	62,132.70	2,823.51	.....	64,956.21
TOTAL	321,394,202.81	25,421,627.19	166,513.37	346,982,343.37

NOTES

1. The net provision and interest credited during the year consists of the following amounts shown in the the Statement of Equities Accumulated through Sinking Fund Provisions and Interest on page 105.

Interest	$12,855,768
Provision—direct	16,079,810
—indirect	252,823
	$29,188,401
Less credits resulting from matured sinking funds	3,766,774
	$25,421,627

2. The notes to the Statement of Equities Accumulated through Sinking Fund Provisions and Interest on pages 104 and 105 are an integral part of this Statement.

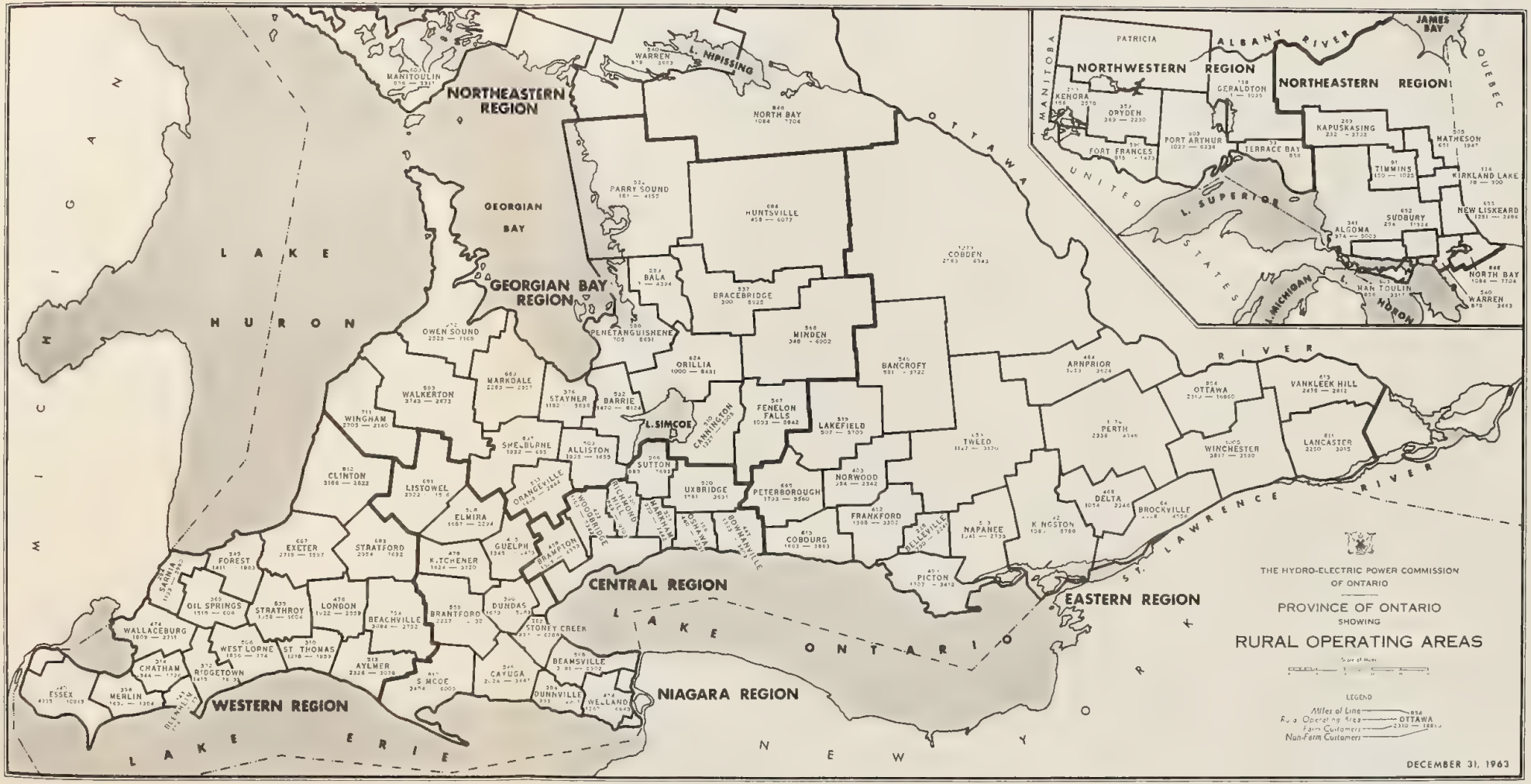
APPENDIX III—RURAL

POWER is delivered in wholesale quantities by the Commission to 92 rural operating areas. Within the areas, retail customers are supplied under the following five classes of service: farm, residential (rural, hamlet and suburban), commercial, summer, and industrial power. The description of these classes of service and the rates applicable to them at December 31, 1963, are included in this appendix.

Description of Main Classes of Service

Farm service means service rendered to a property used for the production of food or industrial crops. It provides for the electrical supply of all farm buildings and equipment located on a farm and used for farm purposes, including equipment required for processing the products of that farm. Service may be supplied under one farm contract to all dwellings or separate domestic establishments located on the farm and occupied by persons engaged in its operation. Additional dwellings or domestic establishments located on a farm property and occupied by persons otherwise engaged are classed as residential service. Small properties of thirty acres and under are classified as residential service unless special circumstances warrant a classification as farm service.

There are three subdivisions of residential service. Rural residential service is supplied to isolated domestic establishments served as part of a rural operating area. Hamlet residential service is supplied to all domestic establishments in built-up areas where there are six or more customers in any quarter-mile section of road. Suburban residential service is supplied to all domestic establishments in built-up suburban communities where there are at least 100 customers in a group and where there are 12 or more customers in any quarter-mile section of road or street.


NORTHEASTERN REGION
GEORGIAN BAY REGION
CENTRAL REGION
EASTERN REGION
WESTERN REGION
NIAGARA REGION
NORTHWESTERN REGION
NORTHEASTERN REGION
L. HURON
L. ERIE
L. ONTARIO
L. SIMCOE
L. NIPISSING
L. SUPERIOR
L. MICHIGAN
GEORGIAN BAY
OTTAWA RIVER
ST. LAWRENCE RIVER
MANITOULIN
WARREN
NORTH BAY
PARRY SOUND
HUNTSVILLE
COBDEN
BALA
BRACEBRIDGE
OWEN SOUND
PENETANGUISHENE
MARKDALE
ORILLIA
MINDEN
BANCROFT
ARNPRIOR
WALKERTON
STAYNER
BARRIE
FENELON FALLS
LAKEFIELD
TWEED
PERTH
OTTAWA
VANKLEEK HILL
WINGHAM
SHELBURNE
ALLISTON
CANNINGTON
SUTTON
UXBRIDGE
PETERBOROUGH
NORWOOD
WINCHESTER
LANCASTER
CLINTON
LISTOWEL
ORANGEVILLE
RICHMOND HILL
MARKHAM
OSHAWA
BOWMANVILLE
FRANKFORD
DELTA
BROCKVILLE
ELMIRA
NAPANEE
KINGSTON
EXETER
STRATFORD
GUELPH
BRAMPTON
COBOURG
PICTON
FORMOSA
FOREST
K.ITCHENER
OIL SPRINGS
STRATHROY
LONDON
BEACHVILLE
BRANTFORD
DUNDAS
STONEY CREEK
WALLACEBURG
WEST LORNE
ST. THOMAS
AYLMER
S.MCOE
CAYUGA
BEAMSVILLE
CHATHAM
RIDGETOWN
DUNNVILLE
WELLAND
ESSEX
MERLIN
PATRICIA
KENORA
ORYDEN
FORT FRANCES
PORT ARTHUR
GERALDTON
TERRACE BAY
KAPUSKASING
TIMMINS
HATHESON
KIRKLAND LAKE
NEW LISKEARD
SUDBURY
ALGOMA
JAMES BAY
QUEBEC
MANITOBA
ALBANY RIVER
UNITED STATES
THE HYDRO-ELECTRIC POWER COMMISSION OF ONTARIO
PROVINCE OF ONTARIO
SHOWING
RURAL OPERATING AREAS
LEGEND
Miles of Line
Rural Operating Area
Farm Customers
Non-Farm Customers
DECEMBER 31, 1963

Commercial service applies to a wide variety of business or community establishments such as hotels, offices, stores, churches, schools, or small manufacturing and processing plants having single-phase supply. Sign and display lighting are included.

Summer service is applicable to residential properties normally used only for seasonally limited periods of the year. Industrial power service, which is 3-phase service for manufacturing and processing, is provided at secondary, rural primary distribution, or sub-transmission voltage.

Rural Rate Structure

Rural rates in effect throughout the Province are given in the accompanying tables. They are quoted on a monthly basis, except the rate for summer service, which is quoted on an annual basis. The table shows the number of kilowatt-hours in each energy block and the rate applicable, for each class of service. The bills are subject to a monthly minimum as shown or, with respect to summer service, to an annual fixed charge. For contracts with a demand rating (CD and Industrial Power) these aspects of the bill are based on measured demand and are subject to minima related to demands established in previous billing periods.

For industrial power service supplied at secondary or rural primary voltage there are 8 rate schedules, as listed in the following table. The alphabetical list of the 92 rural operating areas indicates the schedule number of the power service rate applicable to each area as of December 31, 1963.

Industrial power service at sub-transmission voltage is supplied at special rates established for each customer and based on the cost of power and location of plant.

RATES AND TYPICAL BILLS FOR RURAL ELECTRICAL SERVICE as at December 31, 1963

Rates are quoted on a monthly basis for all services except summer service, which are quoted on an annual basis. All are subject to 10% prompt payment discount.

Class and Rating	Electric Heating Per Kwh	Number of Kilowatt-Hours per Month Billed at Uniform Kwh Rate Shown						Minimum Bill Per Month (Gross)	Net Monthly Bill for	
		4.5¢	2.6¢	1.1¢	1.5¢	1.7¢	0.5¢		250 kwh	500 kwh
								$	$	$
Rural▲ Residential										
R20 (see note)	1.5	60	80	...	All addl.	...	...	1.67	5.79	9.16
R.....	1.5	60	180	...	"	...	...	2.25	6.78	10.15
Hamlet▲ Residential										
H20 (see note)	1.5	60	80	500	All addl.	...	...	1.67	5.39	7.87
H.....	1.5	60	180	500	"	...	...	2.25	6.74	9.22
Suburban▲ Residential										
B.....	1.22	60	180	All addl.	.....	...	...	2.25	6.74	9.22
Commercial										
C20 (see note)	1.5	60	120	...	All addl.	...	...	1.50	6.18	9.56
C35.....	1.5	90	180	—	"	...	...	2.25	7.39	10.96
C50.....	1.5	150	300	...	"	...	...	3.75	8.42	13.77
CD.....	1.5	15*	30*	...	"	...	...	.40*	8.42	13.77†
Farm▲										
F.....	1.5	60	180	...	"	...	...	2.25	6.78	10.15
									Net Monthly Bill for	
									2,000 kwh	4.000 kwh
Farm Demand										
FD.....	1.5	...	...	...	.....	200*	All addl.	34.00	30.60†	39.60†
									Net Annual Bill for	
									750 kwh	1,000 kwh
Summer (on annual basis)										
S.....	...	225§	675§	...	All addl.	...	...	44.44§‡	41.40	46.26

*Per kw of demand
§Per year
‡Includes annual fixed charge of $22.22 Gross
†Calculated on basis of minimum demand of 10 kw

NOTE—The H20, R20 and C20 rates were discontinued as of January 1, 1959 except for existing 2-wire services at that time.

▲Upon application to the Commission, a customer in the Residential and Farm classes, using a C.S.A. approved water heater with tank and element sizes acceptable to the Commission, will have a special block of 400 kwh inserted in the rate structure after the 2.6¢ per kwh rate.

Area Industrial Power Service Schedules in Effect

Schedule	No. of Kwh in First Block	No. of Kwh in Second Block	Demand Rate per Kw	Energy Rate per Kwh for			Net Monthly Bill for Use of 1 Kw of Demand	
				First Block of Kwh	Second Block of Kwh	All Additional Kwh	200 Hours	300 Hours
			$	¢	¢	¢	$	$
1	50*	50*	1.35	2.3	1.5	0.33	3.22	3.52
2	50*	50*	1.35	2.6	1.7	0.33	3.45	3.74
3	50*	50*	1.35	2.8	1.8	0.33	3.58	3.88
4	50*	50*	1.35	3.1	2.0	0.33	3.81	4.10
5	50*	50*	1.35	3.4	2.2	0.33	4.03	4.33
6	50*	50*	1.35	3.7	2.4	0.33	4.26	4.55
7	50*	50*	1.35	4.0	2.6	0.33	4.48	4.78
8	50*	50*	1.35	4.6	3.0	0.33	4.93	5.23

*Per kw of Demand

Operating Area	Schedule	Operating Area	Schedule	Operating Area	Schedule
Algoma	6	Forest	6	Owen Sound	5
Alliston	5	Fort Frances	8	Parry Sound	5
Arnprior	4	Frankford	4	Penetanguishene	5
Aylmer	4	Geraldton	8	Perth	4
Bala	4	Guelph	4	Peterborough	1
				Picton	5
Bancroft	7	Huntsville	5	Port Arthur	5
Barrie	5	Kapuskasing	6	Richmond Hill	4
Beachville	4	Kenora	8	Ridgetown	6
Beamsville	4	Kingston	4	St. Thomas	5
Belleville	4	Kirkland Lake	6		
				Sarnia	5
				Shelburne	5
Blenheim	5	Kitchener	4	Simcoe	4
Bowmanville	4	Lakefield	4	Stayner	4
Bracebridge	4	Lancaster	4	Stoney Creek	2
Brampton	4	Listowel	4	Caledonia Section	4
Brantford	4	London	5		
				Stratford	4
				Strathroy	5
Brockville	4	Manitoulin	8	Sudbury	6
Cannington	5	Markdale	4	Sutton	5
Cayuga	6	Markham	4	Terrace Bay	7
Chatham	4	Matheson	6		
Clinton	5	Merlin	6	Timmins	6
				Tweed	5
				Uxbridge	5
Cobden	4	Minden	6	Vankleek Hill	4
Cobourg	4	Napanee	4	Walkerton	5
Delta	4	New Liskeard	6		
Dryden	8	North Bay	6		
Dundas	4	Norwood	5	Wallaceburg	5
				Warren	6
				Welland	3
Dunnville	5	Oil Springs	6	West Lorne	6
Elmira	4	Orangeville	6	Winchester	4
Essex	5	Orillia	3		
Exeter	5	Oshawa	4	Wingham	5
Fenelon Falls	5	Ottawa	2	Woodbridge	5

MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS
as at December 31, 1963

Operating Areas by Regions	Miles of Primary Line	Number of Customers								
			Residential				Summer			
		Farm	Rural	Hamlet	Sub-urban	Com-mercial	Com-mercial	Other	Power	Total
East System										
WESTERN										
Aylmer	512.88	2,326	461	1,702	284	435	14	149	33	5,404
Beachville	793.54	3,084	436	1,776	.....	493	5	38	44	5,876
Blenheim	142.67	654	152	426	88	108	13	279	13	1,733
Chatham	314.50	1,344	404	795	234	275	.....	.....	18	3,070
Clinton	812.38	3,186	206	876	311	412	13	983	21	6,008
Essex	940.16	4,935	588	4,509	1,161	841	102	3,470	144	15,750
Exeter	667.10	2,715	167	485	107	265	13	535	25	4,312
Forest	344.76	1,411	124	218	41	145	70	1,252	13	3,274
London	476.18	1,922	454	1,319	286	392	1	36	71	4,481
Merlin	396.50	1,630	209	350	97	236	2	470	20	3,014
Oil Springs	368.58	1,518	95	261	28	194	.....	.....	28	2,124
Ridgetown	372.39	1,415	191	520	.....	221	31	633	17	3,028
St. Thomas	309.78	1,218	243	752	674	262	.....	15	13	3,177
Sarnia	294.10	1,193	167	1,463	1,421	384	10	500	35	5,173
Stratford	682.73	2,954	223	835	223	383	.....	.....	28	4,646
Strathroy	535.22	1,958	375	663	263	286	.....	3	14	3,562
Wallaceburg	474.34	1,809	369	943	587	391	1	392	28	4,520
West Lorne	505.62	1,856	132	326	.....	228	.....	69	19	2,630
Total	8,943.43	37,128	4,996	18,219	5,805	5,951	275	8,824	584	81,782
NIAGARA										
Beamsville	568.16	3,081	436	2,687	1,794	634	5	259	87	8,983
Brantford	559.42	2,227	602	811	216	367	4	17	15	4,259
Cayuga	545.98	2,024	295	917	69	309	30	1,797	30	5,471
Dundas	389.51	1,679	307	2,686	1,840	395	.....	3	52	6,962
Dunnville	284.25	993	370	877	.....	238	77	1,324	15	3,894
Elmira	507.54	1,687	234	924	416	349	17	331	23	3,981
Guelph	404.94	1,345	415	1,142	600	275	.....	16	31	3,824
Kitchener	478.10	1,624	220	2,367	453	444	.....	172	64	5,344
Listowel	681.39	2,922	146	435	370	361	3	167	34	4,438
Simcoe	812.32	3,454	1,166	2,047	359	557	72	1,773	31	9,459
Stoney Creek	282.42	930	263	3,321	1,989	518	.....	113	82	7,216
Welland	453.43	1,267	562	3,154	1,394	583	41	850	59	7,910
Total	5,967.46	23,233	5,016	21,368	9,500	5,030	249	6,822	523	71,741

MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS
as at December 31, 1963

Operating Areas by Regions	Miles of Primary Line	Number of Customers								
			Residential				Summer			
		Farm	Rural	Hamlet	Sub-urban	Com-mercial	Com-mercial	Other	Power	Total
East System —Continued										
CENTRAL										
Bowmanville	447.15	1,323	498	2,367	170	381	23	125	39	4,926
Brampton	457.59	1,305	628	1,868	1,315	413	17	178	114	5,838
Markham	327.28	970	505	1,766	4,031	535	34	498	73	8,412
Oshawa	165.71	440	207	709	1,031	217	10	135	22	2,771
Richmond Hill	320.13	869	98	2,313	5,678	708	4	171	131	9,972
Sutton	365.70	989	399	1,233	2,129	414	114	3,372	31	8,681
Uxbridge	519.64	1,581	403	803	332	274	26	1,777	16	5,212
Woodbridge	422.33	1,167	623	1,360	2,465	703	.....	66	125	6,509
Total	3,025.53	8,644	3,361	12,419	17,151	3,645	228	6,322	551	52,321
GEORGIAN BAY										
Alliston	509.33	1,995	382	848	103	237	8	51	26	3,650
Bala	289.26	7	155	455	136	116	106	3,423	3	4,401
Barrie	532.32	1,470	580	1,845	1,223	497	112	3,834	33	9,594
Bracebridge	536.82	300	540	794	389	253	155	3,776	18	6,225
Cannington	509.51	1,227	272	1,030	15	270	54	3,350	12	6,230
Fenelon Falls	567.02	1,033	168	703	172	283	168	4,336	12	6,875
Huntsville	683.99	458	760	915	549	378	231	3,222	22	6,535
Markdale	669.28	2,283	232	658	109	345	13	980	20	4,640
Minden	567.99	348	326	1,061	394	382	171	4,559	9	7,250
Orangeville	532.56	1,405	561	907	470	371	9	498	28	4,249
Orillia	623.73	1,000	515	1,265	1,430	509	161	4,548	23	9,451
Owen Sound	972.13	2,523	424	1,304	441	574	190	4,207	28	9,691
Parry Sound	522.14	181	544	943	184	299	175	1,990	20	4,336
Penetanguishene	588.30	705	357	1,263	240	288	182	6,345	16	9,396
Shelburne	597.19	1,932	187	213	.....	185	2	98	.....	2,617
Stayner	376.01	1,182	186	796	496	286	255	3,609	8	6,818
Walkerton	999.12	3,743	363	643	287	481	28	846	25	6,416
Wingham	710.39	2,705	94	406	294	334	40	958	14	4,845
Total	10,787.09	24,497	6,646	16,049	6,932	6,088	2,060	50,630	317	113,219

MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS
as at December 31, 1963

Operating Areas by Regions	Miles of Primary Line	Number of Customers								
			Residential				Summer			
		Farm	Rural	Hamlet	Sub-urban	Com-mercial	Com-mercial	Other	Power	Total
East System —Continued										
EAST CENTRAL & EASTERN										
Arnprior	463.61	1,059	316	725	512	320	47	1,681	23	4,683
Bancroft	545.87	581	332	1,042	229	233	110	1,769	7	4,303
Belleville	227.56	790	199	1,223	462	276	3	54	24	3,031
Brockville	648.56	2,068	625	1,781	529	492	43	1,049	37	6,624
Cobden	1,279.09	2,583	833	2,222	1,237	826	138	1,645	42	9,526
Cobourg	613.36	1,663	595	1,129	557	330	77	1,153	22	5,526
Delta	488.14	1,054	277	457	238	270	83	1,614	7	4,000
Frankford	611.94	1,988	483	1,458	298	396	38	607	22	5,290
Kingston	941.87	1,980	594	1,931	3,385	761	85	1,963	69	10,768
Lakefield	519.47	507	240	623	149	200	128	4,365	4	6,216
Lancaster	610.52	2,250	505	752	715	476	22	513	32	5,265
Napanee	592.72	1,941	394	1,060	264	420	45	539	13	4,676
Norwood	402.75	954	200	447	.....	144	46	1,500	5	3,296
Ottawa	854.41	2,310	1,017	3,199	10,924	1,105	17	413	185	19,170
Perth	1,076.48	2,336	520	1,289	100	500	73	2,446	20	7,284
Peterborough	665.15	1,793	390	1,129	1,853	479	80	1,605	24	7,353
Picton	489.56	1,707	423	1,479	171	331	96	895	17	5,119
Tweed	659.22	1,127	648	809	89	322	156	1,139	7	4,297
Vankleek Hill	613.19	2,478	270	920	619	500	11	261	31	5,090
Winchester	1,005.05	3,817	530	1,243	779	660	3	326	57	7,415
Total	13,308.52	34,986	9,391	24,918	23,110	9,041	1,301	25,537	648	128,932
NORTHEASTERN										
Algoma	340.74	374	161	1,153	2,676	570	45	339	59	5,377
Kapuskasing	269.60	292	448	891	1,691	316	13	323	20	3,994
Kirkland Lake	133.67	78	79	283	35	92	21	384	6	978
Manitoulin	608.88	856	292	802	713	551	101	831	27	4,173
Matheson	504.71	651	583	547	203	233	8	362	11	2,598
New Liskeard	654.91	1,251	479	679	428	422	1	455	22	3,737
North Bay	846.31	1,084	893	1,824	2,677	663	165	1,411	71	8,788
Sudbury	651.71	294	1,061	2,622	6,001	790	10	1,371	69	12,218
Timmins	91.38	150	53	363	378	103	3	112	13	1,175
Warren	540.16	878	572	826	585	413	113	1,136	18	4,541
Total	4,642.07	5,908	4,621	9,990	15,387	4,153	480	6,724	316	47,579

MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS
as at December 31, 1963

Operating Areas by Regions	Miles of Primary Line	Number of Customers								
			Residential				Summer			
		Farm	Rural	Hamlet	Sub-urban	Com-mercial	Com-mercial	Other	Power	Total
West System										
northwestern										
Dryden	359.13	369	469	755	183	298	64	449	12	2,599
Fort Frances	590.02	915	385	383	175	313	50	164	3	2,388
Geraldton	137.63	1	23	503	252	256	13	21	27	1,096
Kenora	290.46	156	344	795	1	200	141	1,084	13	2,734
Port Arthur	908.67	1,027	1,472	2,100	607	519	27	1,481	30	7,263
Terrace Bay	32.57	.....	3	151	544	117	10	19	12	856
Total	2,318.48	2,468	2,696	4,687	1,762	1,703	305	3,218	97	16,936

SUMMARY—MILES OF RURAL LINE, NUMBER OF RURAL CUSTOMERS
as at December 31, 1963

Regions by Systems	Miles of Primary Line	Number of Customers								
			Residential				Summer			
		Farm	Rural	Hamlet	Sub-urban	Com-mercial	Com-mercial	Other	Power	Total
East System										
Western	8,943.43	37,128	4,996	18,219	5,805	5,951	275	8,824	584	81,782
Niagara	5,967.46	23,233	5,016	21,368	9,500	5,030	249	6,822	523	71,741
Central	3,025.53	8,644	3,361	12,419	17,151	3,645	228	6,322	551	52,321
Georgian Bay	10,787.09	24,497	6,646	16,049	6,932	6,088	2,060	50,630	317	113,219
East Central & Eastern	13,308.52	34,986	9,391	24,918	23,110	9,041	1,301	25,537	648	128,932
Northeastern	4,642.07	5,908	4,621	9,990	15,387	4,153	480	6,724	316	47,579
Total	46,674.10	134,396	34,031	102,963	77,885	33,908	4,593	104,859	2,939	495,574
West System										
Northwestern	2,318.48	2,468	2,696	4,687	1,762	1,703	305	3,218	97	16,936
Grand Total	48,992.58	136,864	36,727	107,650	79,647	35,611	4,898	108,077	3,036	512,510

Rural Electrical Service 1954 - 1963

CUSTOMERS, REVENUE AND CONSUMPTION, BY CLASSES OF SERVICE

Class of Service	Year	Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per kwh
		$	kwh	No.	kwh	¢
*Farm	1954	12,207,502.58	558,196,791	136,013	345	2.19
	1955	12,915,852.58	593,811,187	138,648	360	2.18
	1956	13,671,336.65	642,704,082	139,289	385	2.13
	1957	14,386,097.14	685,863,992	140,604	408	2.10
	1958	15,159,553.04	739,085,422	140,343	438	2.05
	1959	16,122,453.84	804,044,121	140,892	477	2.01
	1960	16,688,958.79	850,192,892	140,782	503	1.96
	1961	17,367,400.00	909,189,400	138,924	542	1.91
	1962	17,975,845.00	971,696,100	137,954	585	1.85
	1963	19,086,801.00	1,058,604,500	136,864	642	1.80
*Hamlet, Rural, and Suburban Residential	1954	11,194,393.02	497,866,573	160,552	267	2.25
	1955	12,734,130.77	577,738,310	177,398	285	2.20
	1956	14,639,910.88	689,671,299	181,113	321	2.12
	1957	16,174,554.38	780,555,462	196,025	345	2.07
	1958	17,732,046.03	905,280,698	207,570	374	1.96
	1959	18,862,773.02	988,315,209	218,287	387	1.91
	1960	20,151,434.03	1,070,637,716	221,915	405	1.88
	1961	20,494,966.00	1,096,653,000	205,822	427	1.87
	1962	21,366,479.00	1,153,182,400	215,857	456	1.85
	1963	23,616,431.00	1,299,169,800	224,024	492	1.82
*Commercial (including Summer Commercial)	1954	3,707,824.28	165,639,114	30,403	466	2.24
	1955	3,996,936.76	186,151,526	32,509	493	2.15
	1956	4,444,185.15	210,438,939	33,481	532	2.11
	1957	4,855,540.79	232,393,865	35,179	564	2.09
	1958	5,346,040.16	259,521,547	36,966	600	2.06
	1959	5,764,611.07	282,562,584	38,176	627	2.04
	1960	6,099,889.90	301,874,591	38,887	653	2.02
	1961	6,425,565.00	324,871,900	38,496	700	1.98
	1962	6,739,668.00	343,061,600	39,574	732	1.96
	1963	7,423,798.00	383,400,200	40,509	798	1.94
*Summer	1954	2,034,199.00	38,460,430	62,183	54	5.29
	1955	2,214,360.48	40,361,920	68,600	51	5.49
	1956	2,478,450.51	45,989,563	74,390	54	5.39
	1957	2,709,831.47	50,674,936	79,792	55	5.35
	1958	2,943,051.21	55,170,380	85,611	56	5.33
	1959	3,170,306.65	60,345,721	91,390	57	5.25
	1960	4,141,665.36	67,785,615	95,196	61	6.11
	1961	4,358,812.00	74,693,800	99,032	64	5.84
	1962	4,613,953.00	83,051,000	103,415	68	5.56
	1963	4,979,590.00	96,694,400	108,077	76	5.15
Industrial Power	1954	2,545,737.21	148,176,508	1,466	8,964	1.72
	1955	2,934,852.81	171,202,169	1,681	9,067	1.71
	1956	3,402,416.31	207,252,224	1,782	9,975	1.64
	1957	3,732,252.41	225,748,793	2,011	9,920	1.65
	1958	4,410,317.84	278,005,882	2,113	11,235	1.59
	1959	4,612,172.64	287,458,107	2,325	10,795	1.60
	1960	5,017,774.81	325,416,458	2,511	11,215	1.54
	1961	5,414,240.00	354,069,300	2,475	11,835	1.53
	1962	6,236,466.00	418,959,700	2,762	13,333	1.49
	1963	7,840,887.00	555,322,000	3,036	15,963	1.41

*Beginning in 1959, consumption for flat-rate water heaters was estimated on the basis of 16.8 hours' daily use instead of 20 hours' daily use as previously. The data for previous years in this table have been adjusted to the same basis.

APPENDIX IV—LEGISLATIVE

ORDER IN COUNCIL

The agreements between The Hydro-Electric Power Commission of Ontario and the municipalities and corporations mentioned in the following list were approved by Order in Council:

TOWNSHIP

McGarry	Mar. 29, 1963

VILLAGE

Belmont	July 12, 1963

CORPORATIONS

Abitibi Power & Paper Company, Limited	Oct. 3, 1963
Abitibi Power & Paper Company, Limited	Oct. 3, 1963
Agnico Mines Limited	Jan. 23, 1963
Bata Shoe Company of Canada Limited	Dec. 11, 1963
Black Clawson-Kennedy Ltd.	Nov. 14, 1963
Brockville Chemicals Limited	Apr. 11, 1963
Broulan Reef Mines Limited	Mar. 11, 1963
Caldwell Linen Mills Limited	Feb. 6, 1963
Campbell Red Lake Mines Limited	Jan. 18, 1963
Canada Cement Company, Limited	May 6, 1963
Dryden Paper Company, Limited	Oct. 3, 1963
Exolon Company	July 12, 1963
Falconbridge Nickel Mines, Limited	Apr. 5, 1963
Faraday Uranium Mines Limited	Aug. 21, 1963

Geco Mines Limited	May 7, 1963
Giant Yellowknife Mines Limited	Mar. 11, 1963
Goodrich, B.F. Canada Limited	Jan. 21, 1963
Great Lakes Paper Company, Limited	Oct. 3, 1963
Great Lakes Power Corporation Limited	May 9, 1963
Her Majesty the Queen in right of Canada, represented by the Minister of Transport	May 22, 1963
Howards & Sons (Canada) Ltd.	Sept. 30, 1963
Kam-Kotia Porcupine Mines, Limited	June 6, 1963
Keeley-Frontier Mines Limited	Aug. 1, 1962
Kenilworth Mines Limited	Oct. 1, 1963
Kenilworth Mines Limited	Dec. 16, 1963
Kimberly-Clark Pulp and Paper Company Limited	Oct. 3, 1963
Lionite Abrasives, Limited	Apr. 11, 1963
National Research Council	Feb. 7, 1963
Norton Company	Mar. 18, 1963
Ontario-Minnesota Pulp and Paper Company Limited	Sept. 25, 1963
Ontario Paper Company, Limited	Feb. 22, 1963
Patricia Silver Mines Limited	May 6, 1963
Peebles Products Limited	Sept. 30, 1963
Pembroke Electric Light Company, Limited	Oct. 31, 1963
Pickle Crow Gold Mines Limited	May 7, 1963
Provincial Paper, Limited	Oct. 3, 1963
Rix-Athabasca Uranium Mines Limited	Aug. 2, 1963
Robin Hood Flour Mills Limited	Jan. 23, 1963
St. Lawrence Corporation Limited	Oct. 3, 1963
St. Lawrence Seaway Authority	July 12, 1963
Silvermaque Mining Limited	May 7, 1963
Silver Summit Mines Limited	Jan. 18, 1963
Silver Summit Mines Limited	Nov. 20, 1963
Steep Rock Iron Mines Limited	July 22, 1963
Strategic-Udy Metallurgy Ltd.	May 31, 1963
Temagami Mining Co. Limited	Feb. 6, 1963
Trans-Canada Pipe Lines Limited	Sept. 30, 1963

SUPPLEMENT

MUNICIPAL ELECTRICAL SERVICE

THIS supplement to the report on the Commission's principal activities is concerned with retail electrical service. It brings together for review, services provided by the associated municipal electrical utilities, and the Commission's retail operations exclusive of rural service, which is dealt with in Section III.

The statistics presented and the analysis that follows deal with operations carried out by 355 municipally owned utilities and by the Commission in 28 towns and villages where there are no municipally owned distribution facilities. The 355 municipal utilities, 354 supplied by the Commission at cost and one at a fixed rate, served a total of 1,497,857 retail customers at the close of 1963, and the Commission served an additional 31,165 retail customers in the other 28 communities.

The combined total of 1,529,022 customers within the areas served by the 383 distribution networks referred to in the preceding paragraph is classified by types of service in the table on page 144 and comparative statistics are given for 1963 and the nine immediately preceding years. Information on financial operations, rates, energy consumption and typical bills is given in the four statements that follow later in this supplement. Statements "A" and "B" include a balance sheet and an operating statement for each of the 355 municipal electrical utilities. Statements "C" and "D", dealing with more general statistics, include as well the municipalities in which the Commission owns the distribution facilities. The

Municipal Electrical Service

CUSTOMERS, REVENUE AND CONSUMPTION

1954 to 1963

Service	Year	Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per kwh
		$	kwh	No.	kwh	¢
Residential	1954	50,833,346	4,246,511,375	930,674	380	1.20
	1955	55,241,247	4,667,789,930	970,829	401	1.18
	1956	61,234,494	5,191,581,628	1,031,482	419	1.18
	1957	65,842,103	5,602,672,756	1,072,868	435	1.18
	1958	69,804,608	6,036,470,489	1,139,061	442	1.16
	1959	73,955,229	6,540,969,291	1,194,878	456	1.13
	1960	78,337,615	6,944,659,090	1,234,903	469	1.13
	1961	83,682,550	7,400,028,084	1,307,893	472	1.13
	1962	89,016,406	7,852,651,665	1,346,408	486	1.13
	1963	93,121,018	8,255,600,930	1,382,270	498	1.13
Commercial	1954	26,293,250	1,694,071,712	123,884	1,140	1.55
	1955	28,576,115	1,858,974,388	127,913	1,211	1.54
	1956	31,423,691	2,081,200,929	127,497*	1,360	1.51
	1957	33,901,487	2,270,913,902	124,757*	1,517	1.49
	1958	35,968,060	2,445,225,765	122,446*	1,664	1.47
	1959	38,079,501	2,669,327,226	120,733*	1,842	1.43
	1960	41,229,320	2,921,670,317	123,441*	1,972	1.41
	1961	45,718,484	3,289,119,534	122,863*	2,231	1.39
	1962	49,438,348	3,633,872,392	121,964*	2,483	1.36
	1963	53,130,394	3,983,332,309	123,296*	2,692	1.33
Industrial Power	1954	40,855,075	4,089,513,923	21,671	15,726	1.00
	1955	44,270,882	4,637,527,118	22,237	17,379	0.96
	1956	47,808,610	5,140,704,025	22,809*	18,782	0.93
	1957	50,124,976	5,366,245,253	22,607*	19,781	0.93
	1958	52,741,979	5,651,743,390	23,077*	20,409	0.93
	1959	61,167,603	7,052,152,034	23,545*	24,960	0.87
	1960	64,057,506	7,326,683,025	23,613*	25,857	0.87
	1961	69,215,271	7,994,001,074	23,179*	28,740	0.87
	1962	74,198,657	8,704,987,001	23,145*	31,342	0.85
	1963	79,740,870	9,581,875,552	23,456*	34,042	0.83

*Irregular variations from year to year in numbers of customers result from reclassifications from commercial to residential and from industrial power to commercial service.

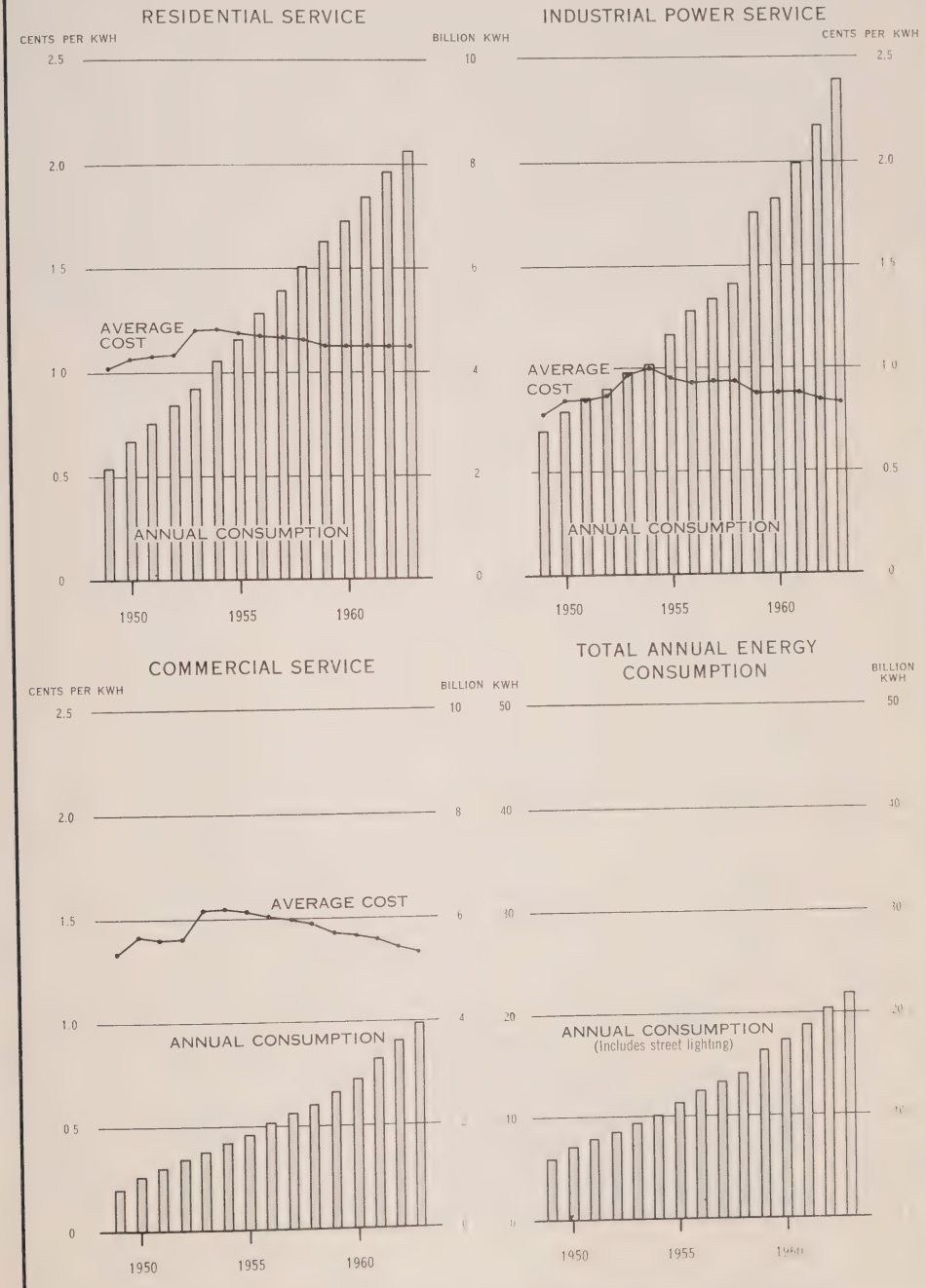
NOTE: Kwh consumption figures for residential and commercial service in the above table reflect the use of flat-rate water heaters for a uniform average of 16.8 hours per day.

population figures quoted are for the most part those recorded in the Municipal Directory for 1964 published by the Department of Municipal Affairs of Ontario.

In all three classes of service, as indicated in the accompanying table, the rate of growth in total energy consumption exceeded the rate of growth in revenue, with a resulting decline in average cost per kilowatt-hour, although the minor change is not perceptible in the figures for residential service. Revenue for residential service was up by 4.6 per cent from the 1962 level, and for commercial and industrial power service by 7.5 per cent. All classes of service showed increases in average monthly consumption per customer. While these averages are somewhat distorted for commercial and industrial power service because of the shifting of customers between these two groups, it may be significant

MUNICIPAL ELECTRICAL SERVICE

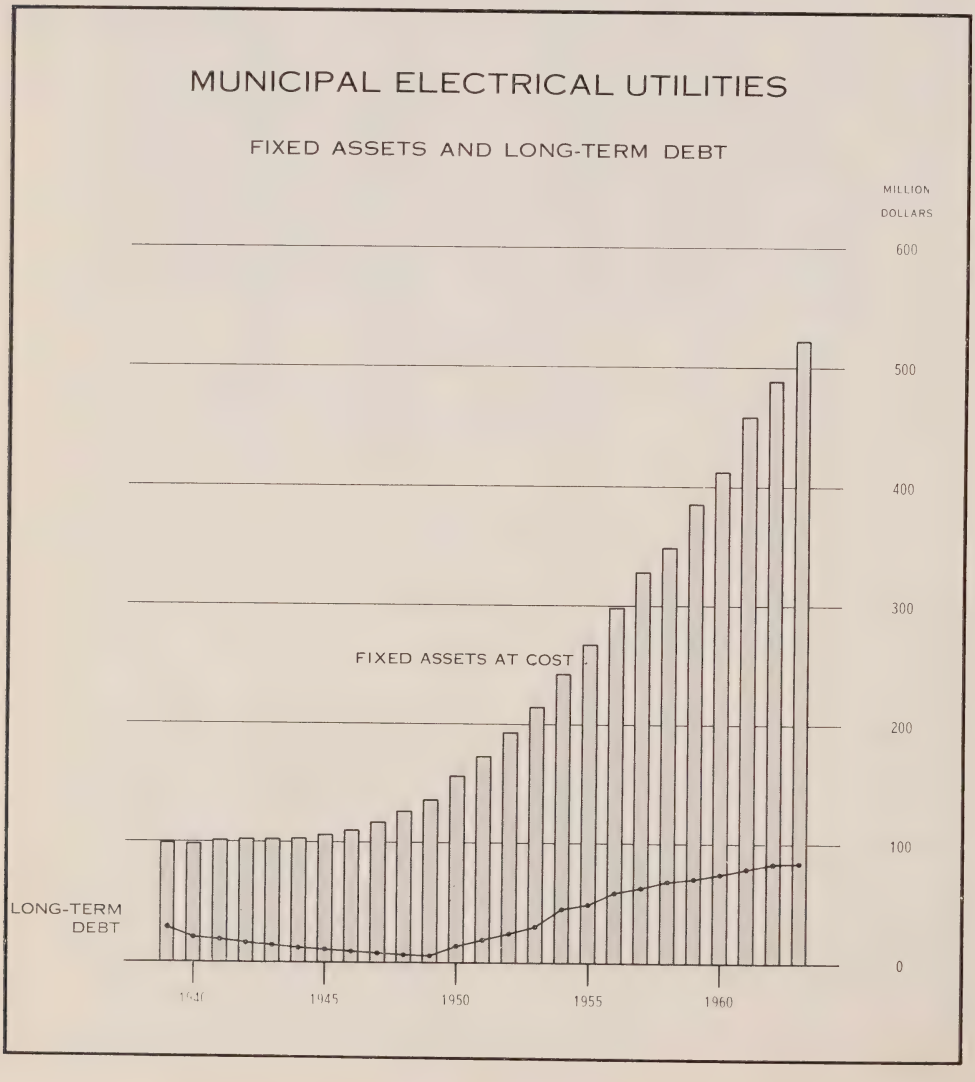
ANNUAL ENERGY CONSUMPTION AND AVERAGE COST PER KILOWATT-HOUR



to note that the persistent downward trend in rate of growth in the residential average is apparently being reversed. The 1963 rate, like that in 1962, was an improvement over the average of the preceding four years, and at least equal to the five-year moving average. This may be taken as some evidence of the effectiveness of the sales effort which the Commission and the municipal utilities are conducting.

MUNICIPAL ELECTRICAL UTILITIES

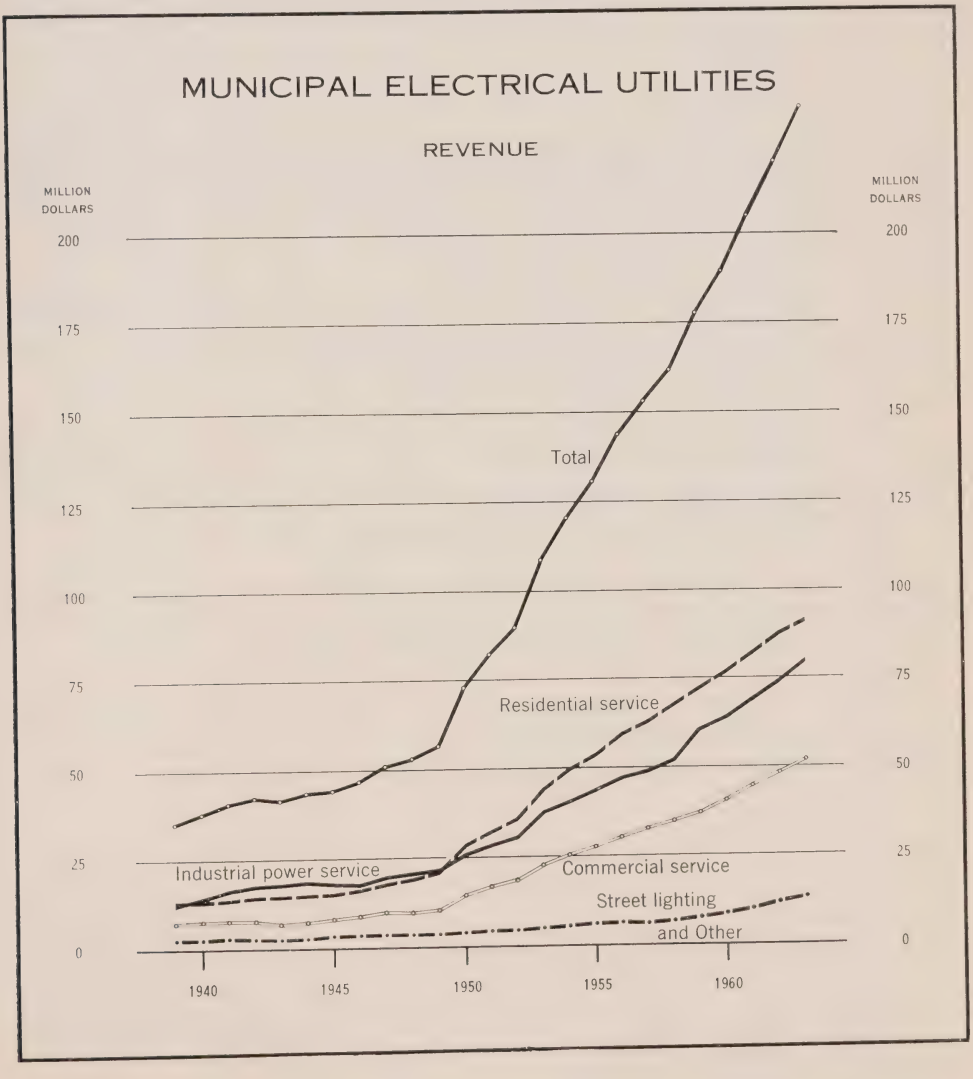
The first two of the four statements that comprise the major part of this supplement deal with the financial operations of the 355 municipal electrical utilities. Entitled "Statements A and B" they include a balance sheet and an operating statement for each utility, arranged in alphabetical order. They are summarized on page 151 for convenient comparison with corresponding figures for the previous nine years.



Summary of Financial Position

Total assets of the municipal electrical utilities, after deducting accumulated depreciation, were $802,395,530, of which $329,924,857 represent amounts contributed by the utilities in their cost of power over the years for the purpose of retiring the Commission's long-term debt. These contributions are shown on the Commission's balance sheet under Capital (see page 25), but not in the identical amount recorded in the summary of Statement "A". The utility balance sheet figures for the equity account in Statement "A" are for the most part one year in arrears because the Commission's annual calculation of sinking fund is not available at the time that most of the utilities close their books for the year.

The investment of the municipal electrical utilities in fixed assets at cost increased by $34,639,691 during 1963 to a total of $523,032,765, against which depreciation of $120,564,846 had been accumulated. Net long-term debt, that is



debentures outstanding less local sinking fund, decreased by $1,432,571 to $77,422,726, and at the end of the year, was 14.8 per cent of the cost of fixed assets as compared with 16.1 per cent at the end of 1962.

Revenue and Cost

Total municipal utility revenues of $235,490,839 in 1963 were greater than 1962 revenues by 6.6 per cent, and by classes of service were as follows:

	Revenue	Per Cent of Total
Residential	$91,026,443	38.6
Commercial	51,962,560	22.1
Industrial power	79,417,869	33.7
Street lighting	7,759,354	3.3
Other	5,324,613	2.3
TOTAL	$235,490,839	100.0

These revenues differ from those given for the same classes of customers on page 144 by the amount of the Commission's revenue from customers in municipalities where the Commission owns the distribution facilities. Revenue derived from street lighting is based on estimated consumption only (see table on page 92). In each of the operating statements of the utilities, it is included in the amount shown for sales of electric energy. Street-lighting revenue can be derived for any utility by subtracting from the electric energy revenue shown in Statement "B" the sum of the revenues for the same utility shown in Statement "D".

The municipal electrical utilities in 1963 purchased 7.9 per cent more energy from the Commission than in 1962. Total expense at $216,315,601 was up 8.3 per cent over expense in 1962, leaving a net income of $19,175,238, which was 8.1 per cent of total revenues as compared with 9.6 per cent in 1962.

A margin of net income provides both an economical source of funds for normal expansion and a stabilizing factor in retail rate adjustment. The Commission takes this into consideration when reviewing municipal retail rates.

Under The Power Commission Act the Commission exercises supervisory control over the activities of the municipal electrical utilities, and their rates to ultimate customers are subject to the Commission's approval.

MUNICIPAL ELECTRICAL SERVICE

Statistical Tables

STATEMENTS A and B—

Financial Statements of the Municipal Electrical Utilities — **Page**

Consolidated for Years 1954 to 1963 ..... **150**

By Municipalities **152**

STATEMENT C—

Rates and Typical Bills for Electrical Service Provided by the 355 Municipal Electrical Utilities and by Commission-owned Distribution Facilities in 28 Towns and Villages **214**

STATEMENT D—

Customers, Revenue, and Consumption in Municipalities Served by the 355 Municipal Electrical Utilities and by Commission-owned Distribution Facilities in 28 Towns and Villages **236**

MUNICIPAL ELECTRICAL UTILITIES

Year	1954	1955	1956	1957
Number of municipalities included	338	343	350	351
A. BALANCE SHEETS				
FIXED ASSETS	$	$	$	$
Plant and facilities at cost	243,525,700	267,090,752	298,832,207	327,925,974
Accumulated depreciation	*58,973,786*	*62,413,111*	*66,539,420*	*68,075,083*
Net fixed assets	184,551,914	204,677,641	232,292,787	258,950,891
CURRENT ASSETS				
Cash on hand and in bank	7,376,869	9,277,807	9,858,536	10,819,896
Investment in government securities	16,361,137	17,392,469	15,512,896	14,174,408
Accounts receivable (Net)	10,695,799	9,939,403	12,776,466	12,573,922
Total current assets	34,433,805	36,609,679	38,147,898	37,568,226
OTHER ASSETS				
Inventory of stores	7,413,229	7,900,466	9,681,858	9,579,584
Sinking fund on local debentures	383,454	383,751	290,682	561,622
Miscellaneous	3,465,797	2,323,308	2,399,184	1,894,582
Total other assets	11,262,480	10,607,525	12,371,724	12,035,788
Equity in Ontario Hydro Systems	152,461,822	167,250,921	183,262,708	200,293,236
Total	**382,710,021**	**419,145,766**	**466,075,117**	**508,848,141**
LIABILITIES				
Debentures outstanding	45,645,051	49,776,907	58,528,557	63,315,360
Accounts payable	11,090,473	10,574,522	11,633,156	11,226,905
Other	2,843,742	3,493,146	3,910,276	4,207,237
Total liabilities	59,579,266	63,844,575	74,071,989	78,749,502
RESERVES				
Equity in Ontario Hydro Systems	152,461,822	167,250,921	183,262,708	200,293,236
Other	8,095,705	7,765,477	6,948,236	5,658,849
Total reserves	160,557,527	175,016,398	190,210,944	205,952,085
CAPITAL				
Debentures redeemed	64,210,220	66,488,672	69,338,990	72,087,556
Local sinking fund	383,454	383,751	290,682	561,622
Accumulated net income invested in plant or held as working funds	98,687,493	114,727,112	132,983,134	152,057,614
Contributed capital	.....	.....	.....	.....
Frequency standardization expense charged this year	*707,939*	*1,314,742*	*820,622*	*560,238*
Total capital	162,573,228	180,284,793	201,792,184	224,146,554
Total	**382,710,021**	**419,145,766**	**466,075,117**	**508,848,141**
B. OPERATING STATEMENTS				
REVENUE				
Sales of electric energy	119,510,834	129,810,298	142,629,092	15,855,664
Other	1,345,281	1,457,199	1,554,347	1,580,224
Total revenue	**120,856,115**	**131,267,497**	**144,183,439**	**153,435,888**
EXPENSE				
Power purchased	75,589,512	79,779,898	87,344,024	92,682,089
Local generation	426,606	459,594	501,386	575,771
Operation and maintenance	11,527,269	12,076,620	13,406,955	14,362,587
Administration	9,299,705	9,896,805	11,015,893	12,086,583
Fixed charges—interest and principal	3,242,705	4,216,877	4,744,936	5,504,842
—depreciation	6,547,361	7,193,495	7,709,546	8,389,004
—other	141,824	144,121	59,374	53,525
Total expense	**106,774,982**	**113,767,410**	**124,782,114**	**133,654,401**
Net income or *net expense*	**14,081,133**	**17,500,087**	**19,401,325**	**19,781,487**
Number of customers	1,045,742	1,089,835	1,153,371	1,192,357

CONSOLIDATED FINANCIAL STATEMENTS 1954-1963

1958	1959	1960	1961	1962	1963
354	354	354	354	355	355
$	$	$	$	$	$
349,706,161	385,419,306	413,611,989	457,392,623	489,393,074	523,032,765
72,673,866	*77,551,575*	*82,246,973*	*100,165,249*	*109,914,757*	120,564,846
277,032,295	307,867,731	331,365,016	357,227,374	378,478,317	402,467,919
10,769,037	10,400,010	12,250,801	15,105,454	18,063,961	19,175,569
13,333,906	15,560,183	13,990,120	14,672,152	16,984,376	16,225,459
13,911,267	13,463,791	12,868,807	14,190,953	15,807,380	15,572,525
38,014,210	39,423,984	39,109,728	43,968,559	50,855,717	50,973,553
17,237,653	9,381,215	9,197,511	9,590,459	9,742,156	10,351,372
1,033,436	1,726,182	2,316,958	3,261,509	4,312,070	5,442,451
2,214,392	2,421,279	2,553,588	2,643,494	2,715,626	3,235,378
20,485,481	13,528,676	14,068,057	15,495,462	16,769,852	19,029,201
218,736,441	238,790,589	261,101,650	282,255,861	305,826,987	329,924,857
554,268,427	**599,610,980**	**645,644,451**	**698,947,256**	**751,930,873**	**802,395,530**
69,363,792	70,456,844	74,429,684	81,812,075	83,167,367	82,865,177
10,105,465	10,589,995	10,485,382	12,594,844	12,753,744	12,860,334
6,175,200	6,565,031	7,146,524	7,860,946	8,254,687	8,534,095
85,644,457	87,611,870	92,061,590	102,267,865	104,175,798	104,259,606
218,736,441	238,790,589	261,101,650	282,255,861	305,826,987	329,924,857
3,507,375	2,864,918	2,920,005	2,468,637	2,481,991	2,323,811
222,243,816	241,655,507	264,021,655	284,724,498	308,308,978	332,248,668
75,021,200	77,881,620	81,266,027	84,572,157	88,386,510	92,400,155
1,033,436	1,726,182	2,316,958	3,261,509	4,312,070	5,442,451
170,871,551	190,444,985	205,984,657	224,121,227	246,747,517	258,763,652
.....	.....	.....	.....	.....	9,280,998
546,033	290,816	6,436	.....	.....	.....
246,380,154	270,343,603	289,561,206	311,954,893	339,446,097	365,887,256
554,268,427	**599,610,980**	**645,644,451**	**698,947,256**	**751,930,873**	**802,395,534**
160,700,759	175,686,813	186,599,701	201,891,409	216,412,017	230,166,226
1,723,986	2,400,070	2,720,870	3,274,114	4,439,792	5,324,613
162,424,745	**178,086,883**	**189,320,571**	**205,165,523**	**220,851,809**	**235,490,839**
98,563,451	111,160,867	122,634,361	130,857,200	139,291,682	152,433,112
509,240	531,076	536,118	529,955	570,500	572,079
15,544,060	17,065,080	18,273,164	19,486,528	20,760,837	21,989,333
13,654,386	14,954,828	15,766,246	17,342,308	18,482,105	19,550,879
6,175,773	6,824,770	7,440,556	8,203,772	8,912,277	9,135,950
9,216,594	10,030,350	10,750,710	11,466,692	11,655,654	12,557,810
13,050	14,316	22,506	81,734	73,080	76,738
143,676,564	**160,581,287**	**175,423,661**	**187,968,189**	**199,746,135**	**216,315,601**
18,748,181	**17,505,596**	**13,896,910**	**17,197,334**	**21,105,674**	**19,175,238**
1,255,805	1,310,099	1,351,915	1,423,427	1,460,553	1,497,857

Municipal Electrical Utilities Financial

Municipality	Acton	Ailsa Craig	Ajax	Alexandria	Alfred	Alliston
Population	4,354	521	8,111	2,536	983	3,057
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	436,244	49,192	999,672	290,727	87,138	267,062
Accumulated depreciation	*81,477*	*4,424*	*254,573*	*89,258*	*24,687*	*77,933*
Net fixed assets	354,767	44,768	745,099	201,469	62,451	189,129
CURRENT ASSETS						
Cash on hand and in bank	61,068	11,671	123,595	7,658	9,648	6,580
Investment in government securities	13,000	.....	.....	13,000	.....	18,000
Accounts receivable (Net)	4,249	119	42,947	6,341	3,442	2,180
Total current assets	78,317	11,790	166,542	26,999	13,090	26,760
OTHER ASSETS						
Inventory of stores	1,399	.....	20,090	11,897	.....	4,559
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	622	.....	4,444	.....	519	43
Total other assets	2,021	.....	24,534	11,897	519	4,602
Equity in Ontario Hydro Systems	455,224	56,578	162,508	178,469	13,550	175,266
Total	**890,329**	**113,136**	**1,098,683**	**418,834**	**89,610**	**395,757**
LIABILITIES						
Debentures outstanding	52,200	.....	357,000	.....	26,500	.....
Accounts payable	1,648	103	1,598	3,015	1	8
Other	10,361	1,808	60,440	12,515	1,884	5,486
Total liabilities	64,209	1,911	419,038	15,530	28,385	5,494
RESERVES						
Equity in Ontario Hydro Systems	455,224	56,578	162,508	178,469	13,550	175,266
Other	.....	.....	1,682	.....	.....	.....
Total reserves	455,224	56,578	164,190	178,469	13,550	175,266
CAPITAL						
Debentures redeemed	31,739	6,883	90,862	53,078	11,500	29,989
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds.	322,893	47,764	357,370	171,757	35,275	185,008
Contributed capital	16,264	.....	67,223	.....	900	.....
Total capital	370,896	54,647	515,455	224,835	47,675	214,997
Total	**890,329**	**113,136**	**1,098,683**	**418,834**	**89,610**	**395,757**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	264,933	22,509	385,915	120,439	37,980	147,729
Other	3,446	194	13,906	5,869	336	4,529
Total revenue	**268,379**	**22,703**	**399,821**	**126,308**	**38,316**	**152,258**
EXPENSE						
Power purchased	188,633	15,632	252,494	91,434	24,207	101,682
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	20,872	1,761	32,893	9,520	2,839	14,962
Administration	14,245	1,014	46,055	10,788	3,486	13,838
Fixed charges—interest and principal	5,341	.....	35,974	.....	2,780	.....
—depreciation	9,822	1,241	24,414	7,564	2,689	6,070
—other	.....	.....	.....	.....	.....	.....
Total expense	**238,913**	**19,648**	**391,830**	**119,306**	**36,001**	**136,552**
Net income or *net expense*	**29,466**	**3,055**	**7,991**	**7,002**	**2,315**	**15,706**
Number of customers	1,329	230	2,299	919	319	1,185

Statements for the Year Ended December 31, 1963

Almonte	Alvinston	Amherst-burg	Ancaster Twp.	Apple Hill	Arkona	Arnprior	Arthur	Athens
3,481	644	4,381	14,049	400	455	5,632	1,238	973
$	$	$	$	$	$	$	$	$
464,209	66,093	463,060	286,824	25,187	48,445	519,860	131,371	73,080
106,967	*21,787*	*105,494*	*61,312*	*7,814*	*13,459*	*94,735*	*28,873*	*14,639*
357,242	44,306	357,566	225,512	17,373	34,986	425,125	102,498	58,441
13,887	4,527	22,528	27,789	5,644	3,220	30,356	468	18
33,000	3,500	27,945	.....	3,000	7,000	15,000	10,000	14,000
5,450	530	1,973	3,845	261	3,885	2,240	1,238	2,551
52,337	8,557	52,446	31,634	8,905	14,105	47,596	11,706	16,569
8,381	.....	9,279	57	.....	.....	2,984	169	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	259	160	263	.....	.....	.....	473	.....
8,381	259	9,439	320	.....	.....	2,984	642	.....
79,599	61,549	363,166	160,724	15,242	38,082	275,916	93,260	41,897
497,559	**114,671**	**782,617**	**418,190**	**41,520**	**87,173**	**751,621**	**208,106**	**116,907**
.....	.....	5,300	57,864	.....	.....	47,467	11,700	.....
8,235	294	520	153	491	362	3,505	1,300	4,673
1,994	108	3,833	2,289	53	65	8,001	803	284
10,229	402	9,653	60,306	544	427	58,973	13,803	4,957
79,599	61,549	363,166	160,724	15,242	38,082	275,916	93,260	41,897
680	.....	.....	.....	.....	.....	942	.....	.....
80,279	61,549	363,166	160,724	15,242	38,082	276,858	93,260	41,897
72,000	23,529	63,095	70,382	5,080	13,113	97,778	24,214	12,988
.....	.....	.....	.....	.....	.....	.....	.....	.....
334,051	29,191	346,703	126,778	20,654	35,551	315,062	76,829	57,065
1,000	.....	.....	.....	.....	.....	2,950	.....	.....
407,051	52,720	409,798	197,160	25,734	48,664	415,790	101,043	70,053
497,559	**114,671**	**782,617**	**418,190**	**41,520**	**87,173**	**751,621**	**208,106**	**116,907**
140,813	19,804	221,645	148,540	7,139	22,257	245,761	47,771	25,832
3,097	188	3,392	1,014	163	193	4,972	397	642
143,910	**19,992**	**225,037**	**149,554**	**7,302**	**22,450**	**250,733**	**48,168**	**26,474**
80,159	10,983	152,217	93,420	4,050	14,971	178,622	29,463	19,649
11,185	.....	.....	.....	.....	.....	.....	.....	.....
10,632	2,146	15,647	9,692	572	2,022	15,558	4,705	1,149
13,760	3,186	21,182	13,918	1,005	1,210	20,097	3,331	1,602
.....	.....	4,051	9,049	.....	.....	8,714	1,064	.....
10,996	2,174	11,034	7,970	758	1,499	13,965	3,636	2,031
.....	.....	.....	.....	.....	.....	.....	.....	.....
126,732	**18,489**	**204,131**	**134,049**	**6,385**	**19,702**	**236,956**	**42,199**	**24,431**
17,178	**1,503**	**20,906**	**15,505**	**917**	**2,748**	**13,777**	**5,969**	**2,043**
1,128	329	1,403	1,127	119	195	1,824	541	372

Municipal Electrical Utilities Financial

Municipality	Atikokan Twp.	Aurora	Avonmore	Aylmer	Ayr	Baden
Population	5,829	9,518	244	4,549	1,058	920
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	563,669	726,022	27,690	388,419	88,991	79,787
Accumulated depreciation	*133,643*	*158,920*	*7,799*	*129,021*	*15,963*	*20,592*
Net fixed assets	430,026	567,102	19,891	259,398	73,028	59,195
CURRENT ASSETS						
Cash on hand and in bank	75,199	154,278	1,077	39,844	1,006	12,437
Investment in government securities	50,000	.....	.....	.....	10,500	9,500
Accounts receivable (Net)	7,964	5,666	254	6,469	34	397
Total current assets	133,163	159,944	1,331	46,313	11,540	22,334
OTHER ASSETS						
Inventory of stores	1,036	1,550	.....	312	.....	115
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	14,010	4,587	479	517	.....	574
Total other assets	15,046	6,137	479	829	.....	689
Equity in Ontario Hydro Systems	127,773	254,639	6,409	344,661	81,628	128,750
Total	**706,008**	**987,822**	**28,110**	**651,201**	**166,196**	**210,968**
LIABILITIES						
Debentures outstanding	302,000	208,000	12,000	32,000	.....	.....
Accounts payable	743	2,951	11	3,262	49	27
Other	51,770	17,558	1,587	3,648	692	160
Total liabilities	354,513	228,509	13,598	38,910	741	187
RESERVES						
Equity in Ontario Hydro Systems	127,773	254,639	6,409	344,661	81,628	128,750
Other	.....	.....	.....	.....	.....	.....
Total reserves	127,773	254,639	6,409	344,661	81,628	128,750
CAPITAL						
Debentures redeemed	98,000	16,242	2,000	56,702	17,503	5,000
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	121,905	470,352	6,103	207,503	66,324	77,031
Contributed capital	3,817	18,080	.....	3,425	.....	.....
Total capital	223,722	504,674	8,103	267,630	83,827	82,031
Total	**706,008**	**987,822**	**28,110**	**651,201**	**166,196**	**210,968**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	234,805	371,403	12,581	249,044	45,310	43,790
Other	12,353	19,346	124	1,456	571	462
Total revenue	**247,158**	**390,749**	**12,705**	**250,500**	**45,881**	**44,252**
EXPENSE						
Power purchased	131,848	244,405	6,782	179,681	31,998	30,737
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	17,812	30,130	1,200	19,103	8,430	1,988
Administration	36,068	29,479	905	13,250	3,532	3,390
Fixed charges—interest and principal	34,667	19,990	1,279	5,013	.....	.....
—depreciation	15,104	17,017	791	11,234	2,448	2,036
—other	.....	.....	.....	.....	.....	.....
Total expense	**235,499**	**341,021**	**10,957**	**228,281**	**46,408**	**38,151**
Net income or *net expense*	**11,659**	**49,728**	**1,748**	**22,219**	**527**	**6,101**
Number of customers	1,711	2,868	117	1,557	388	288

Statements for the Year Ended December 31, 1963

Bancroft	Barrie	Barry's Bay	Bath	Beachburg	Beachville	Beamsville	Beaverton	Beeton
2,369	23,225	1,397	691	550	900	3,290	1,205	881
$	$	$	$	$	$	$	$	$
352,812	2,356,204	94,082	78,353	66,665	116,247	250,974	137,269	74,857
88,469	*696,737*	*12,518*	*15,332*	*18,857*	*37,536*	*68,327*	*31,133*	*12,658*
264,343	1,659,467	81,564	63,021	47,808	78,711	182,647	106,136	62,199
32,381	.....	8,734	13,228	11,414	33,991	2,830	13,871	11,347
.....	.....	.....	.....	.....	43,500	.....	10,000	6,000
13,283	40,674	3,291	8,849	204	1,526	2,055	495	948
45,664	40,674	12,025	22,077	11,618	79,017	4,885	24,366	18,295
9,961	33,498	.....	.....	.....	.....	.....	481	137
.....	.....	.....	.....	.....	.....	.....	.....	.....
2,803	668	.....	100	1,465	.....	550	380	.....
12,764	34,166	.....	100	1,465	.....	550	861	137
52,775	1,213,946	18,070	22,817	12,588	228,015	108,450	106,924	69,739
375,546	**2,948,253**	**111,659**	**108,015**	**73,479**	**385,743**	**296,532**	**238,287**	**150,370**
56,875	.....	.....	6,500	47,500	.....	.....	.....	.....
10	104,465	301	11,692	6	87	45,109	1,429	110
3,067	24,696	220	716	50	490	1,616	830	834
59,952	129,161	521	18,908	47,556	577	46,725	2,259	944
52,775	1,213,946	18,070	22,817	12,588	228,015	108,450	106,924	69,739
.....	.....	.....	.....	.....	.....	.....	.....	.....
52,775	1,213,946	18,070	22,817	12,588	228,015	108,450	106,924	69,739
75,625	65,366	7,500	11,000	4,500	5,537	37,500	12,839	13,610
.....	.....	.....	.....	.....	.....	.....	.....	.....
182,125	1,539,780	85,568	47,021	8,835	151,614	103,857	116,265	66,077
5,069	.....	.....	8,269	.....	.....	.....	.....	.....
262,819	1,605,146	93,068	66,290	13,335	157,151	141,357	129,104	79,687
375,546	**2,948,253**	**111,659**	**108,015**	**73,479**	**385,743**	**296,532**	**238,287**	**150,370**
110,389	1,058,803	26,899	25,738	25,743	108,543	102,144	72,159	31,471
1,439	21,705	407	.....	303	2,940	2,210	1,607	507
111,828	**1,080,508**	**27,306**	**25,738**	**26,046**	**111,483**	**104,354**	**73,766**	**31,978**
53,797	694,715	19,321	15,554	14,933	90,164	71,067	46,866	21,962
4,669	.....	.....	.....	.....	.....	.....	.....	.....
5,134	116,785	1,994	1,345	1,064	4,037	11,368	5,319	1,844
10,765	99,075	2,986	2,283	1,388	2,779	9,917	4,989	1,690
9,878	.....	.....	885	4,549	.....	.....	.....	.....
8,996	55,851	2,425	2,298	1,837	3,563	5,485	3,841	2,030
.....	.....	.....	.....	.....	.....	.....	.....	.....
93,239	**966,426**	**26,726**	**22,365**	**23,771**	**100,543**	**97,837**	**61,015**	**27,526**
18,589	**114,082**	**580**	**3,373**	**2,275**	**10,940**	**6,517**	**12,751**	**4,452**
781	7,484	433	258	222	310	1,155	601	320

Municipal Electrical Utilities Financial

Municipality	Belle River	Belleville	Belmont*	Blenheim	Bloomfield	Blyth
Population	1,920	30,610	734	3,331	729	745
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	137,410	2,727,012	61,072	342,887	63,073	76,890
Accumulated depreciation	*23,827*	*627,916*	*14,418*	*70,466*	*22,875*	*18,187*
Net fixed assets	113,583	2,099,096	46,654	272,421	40,198	58,703
CURRENT ASSETS						
Cash on hand and in bank	149	85,986	10,200	28,708	5,149	4,170
Investment in government securities	7,000	.....	.....	.....	6,993	9,807
Accounts receivable (Net)	603	64,396	8,503	1,651	324	1,321
Total current assets	7,752	150,382	18,703	30,359	12,466	15,298
OTHER ASSETS						
Inventory of stores	277	51,022	.....	1,547	450	58
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	1,178	7,459	317	50	.....
Total other assets	277	52,200	7,459	1,864	500	58
Equity in Ontario Hydro Systems	76,113	1,623,073	.....	194,541	44,789	68,261
Total	**197,725**	**3,924,751**	**72,816**	**499,185**	**97,953**	**142,320**
LIABILITIES						
Debentures outstanding	.....	377,000	55,000	31,902	.....	.....
Accounts payable	7,033	2,400	9,462	16	.....	146
Other	701	57,399	1,764	6,686	655	175
Total liabilities	7,734	436,799	66,226	38,604	655	321
RESERVES						
Equity in Ontario Hydro Systems	76,113	1,623,073	.....	194,541	44,789	68,261
Other	.....	.....	.....	.....	.....	.....
Total reserves	76,113	1,623,073	.....	194,541	44,789	68,261
CAPITAL						
Debentures redeemed	19,555	197,997	.....	66,558	9,797	16,032
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	94,323	1,662,936	6,590	199,482	42,712	57,706
Contributed capital	.....	3,946	.....	.....	.....	.....
Total capital	113,878	1,864,879	6,590	266,040	52,509	73,738
Total	**197,725**	**3,924,751**	**72,816**	**499,185**	**97,953**	**142,320**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	60,163	1,286,447	34,565	124,908	23,926	44,660
Other	1,585	34,087	642	3,896	372	658
Total revenue	**61,748**	**1,320,534**	**35,207**	**128,804**	**24,298**	**45,318**
EXPENSE						
Power purchased	34,496	853,798	23,950	65,959	17,388	35,057
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	9,442	118,041	1,017	11,072	1,506	4,473
Administration	7,708	95,171	1,098	19,111	2,705	2,505
Fixed charges—interest and principal	700	33,395	1,754	5,959	.....	.....
—depreciation	3,349	64,204	798	9,205	2,026	2,166
—other	.....	.....	.....	.....	.....	.....
Total expense	**55,695**	**1,164,609**	**28,617**	**111,306**	**23,625**	**44,201**
Net income or *net expense*	**6,053**	**155,925**	**6,590**	**17,498**	**673**	**1,117**
Number of customers	729	10,450	234	1,201	316	337

*6 months operation.

Statements for the Year Ended December 31, 1963

Bobcaygeon	Bolton	Bothwell	Bowmanville	Bracebridge	Bradford	Braeside	Brampton	Brantford
1,240	2,152	818	7,532	3,000	2,374	531	26,191	54,917
$	$	$	$	$	$	$	$	$
246,238	200,834	74,237	780,967	910,018	285,304	45,553	3,180,069	5,448,266
68,014	*41,469*	*25,550*	*286,812*	*239,115*	*69,949*	*4,264*	*400,576*	*1,418,290*
178,224	159,365	48,687	494,155	670,903	215,355	41,289	2,779,493	4,029,976
10,328	718	6,493	29,335	25,784	36,763	6,822	84,476	264,740
.....	.....	5,050	119,335	.....	8,000	10,000	1,500	32,000
884	2,673	1,186	11,300	6,064	4,622	5,325	61,339	74,824
11,212	3,391	12,729	159,970	31,848	49,385	22,147	147,315	371,564
3,420	833	424	11,372	10,349	8,335	.....	55,291	80,809
.....	.....	.....	.....	.....	.....	.....	.....	.....
3,890	3,726	118	30	9,960	.....	1,040	17,735	2,986
7,310	4,559	542	11,402	20,309	8,335	1,040	73,026	83,795
39,646	95,421	66,433	576,531	3,930	139,734	41,771	1,020,778	5,309,769
236,392	**262,736**	**128,391**	**1,242,058**	**726,990**	**412,809**	**106,247**	**4,020,612**	**9,795,104**
81,300	57,906	.....	.....	194,595	.....	424	1,256,449	410,063
1,419	5,433	1,176	7,675	482	446	350	243,012	4,051
8,947	3,954	103	4,689	30	2,738	222	80,573	87,748
91,666	67,293	1,279	12,364	195,107	3,184	996	1,580,034	501,862
39,646	95,421	66,433	576,531	3,930	139,734	41,771	1,020,778	5,309,769
.....	.....	.....	.....	.....	.....	.....	.....	.....
39,646	95,421	66,433	576,531	3,930	139,734	41,771	1,020,778	5,309,769
7,700	24,054	5,535	71,000	311,205	23,351	5,576	218,351	1,034,620
.....	.....	.....	.....	.....	.....	.....	.....	.....
94,256	72,839	54,994	582,163	216,748	246,540	57,904	1,179,996	2,907,224
3,124	3,129	150	.....	.....	.....	.....	21,453	41,629
105,080	100,022	60,679	653,163	527,953	269,891	63,480	1,419,800	3,983,473
236,392	**262,736**	**128,391**	**1,242,058**	**726,990**	**412,809**	**106,247**	**4,020,612**	**9,795,104**
69,674	90,824	28,565	328,692	148,830	120,952	68,439	1,163,860	2,362,530
1,084	1,836	985	15,265	4,621	2,550	1,679	26,958	30,026
70,758	**92,660**	**29,550**	**343,957**	**153,451**	**123,502**	**70,118**	**1,190,818**	**2,392,556**
36,449	56,521	16,065	258,146	11,068	79,017	61,403	785,261	1,696,898
.....	.....	.....	.....	33,129	.....	.....	.....	.....
9,233	12,768	3,207	38,535	24,856	14,009	1,775	88,974	173,438
8,622	8,623	4,784	22,433	14,003	11,755	1,479	84,390	113,403
8,281	6,133	.....	.....	29,460	.....	441	106,049	61,708
7,503	5,044	2,115	20,964	20,425	6,636	1,191	57,489	138,681
.....	.....	.....	.....	.....	.....	.....	.....	.....
70,088	**89,089**	**26,171**	**340,078**	**132,941**	**111,417**	**66,289**	**1,122,163**	**2,184,128**
670	**3,571**	**3,379**	**3,879**	**20,510**	**12,085**	**3,829**	**68,655**	**208,428**
748	670	333	2,536	1,201	849	159	7,677	17,673

Municipal Electrical Utilities Financial

Municipality	Brantford Twp.	Brechin	Bridgeport	Brigden	Brighton	Brockville
Population	8,094	265	1,720	548	2,686	18,456
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	1,222,310	22,543	111,054	53,258	258,920	2,161,392
Accumulated depreciation	*344,000*	*4,481*	*27,341*	*12,966*	*42,032*	*429,407*
Net fixed assets	878,310	18,062	83,713	40,292	216,888	1,731,985
CURRENT ASSETS						
Cash on hand and in bank	66,666	2,860	50	6,370	1,004	64,467
Investment in government securities	25,000	7,000	.....	5,500	.....	12,000
Accounts receivable (Net)	3,715	1,222	685	400	1,689	27,038
Total current assets	95,381	11,082	735	12,270	2,693	103,505
OTHER ASSETS						
Inventory of stores	17,700	.....	37	.....	9,796	43,253
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	1,067	.....	440	.....	1,980	7,514
Total other assets	18,767	.....	477	.....	11,776	50,767
Equity in Ontario Hydro Systems	304,496	22,712	63,964	47,700	117,785	1,323,671
Total	**1,296,954**	**51,856**	**148,889**	**100,262**	**349,142**	**3,209,928**
LIABILITIES						
Debentures outstanding	418,466	.....	14,255	.....	35,400	590,000
Accounts payable	1,581	12	3,043	3,308	8,105	8,101
Other	24,183	180	2,293	186	3,525	38,884
Total liabilities	444,230	192	19,591	3,494	47,030	636,985
RESERVES						
Equity in Ontario Hydro Systems	304,496	22,712	63,964	47,700	117,785	1,323,671
Other	.....	.....	.....	.....	.....	.....
Total reserves	304,496	22,712	63,964	47,700	117,785	1,323,671
CAPITAL						
Debentures redeemed	142,749	2,664	17,272	8,000	29,600	240,570
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	397,065	26,288	48,062	41,068	147,579	1,008,702
Contributed capital	8,414	.....	.....	.....	7,148	.....
Total capital	548,228	28,952	65,334	49,068	184,327	1,249,272
Total	**1,296,954**	**51,856**	**148,889**	**100,262**	**349,142**	**3,209,928**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	501,380	7,619	54,703	18,652	93,874	919,937
Other	2,100	230	415	316	494	28,131
Total revenue	**503,480**	**7,849**	**55,118**	**18,968**	**94,368**	**948,068**
EXPENSE						
Power purchased	285,696	4,743	39,248	10,821	60,766	577,662
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	40,215	789	3,738	1,900	10,954	75,281
Administration	33,778	716	6,061	1,779	10,321	78,051
Fixed charges—interest and principal	43,158	.....	1,536	.....	3,502	63,966
—depreciation	35,513	651	3,149	1,566	5,987	51,712
—other	.....	.....	.....	.....	.....	.....
Total expense	**438,360**	**6,899**	**53,732**	**16,066**	**91,530**	**846,672**
Net income or *net expense*	**65,120**	**950**	**1,386**	**2,902**	**2,838**	**101,396**
Number of customers	2,488	95	506	219	1,055	6,295

Statements for the Year Ended December 31, 1963

Brussels	Burford	Burgessville	Burk's Falls	Burlington	Cache Bay	Caledonia	Campbell-ford	Campbell-ville
820	1,061	275	942	51,522	790	2,355	3,472	217
$	$	$	$	$	$	$	$	$
88,667	106,989	27,949	90,751	5,091,913	57,395	191,355	738,204	21,975
9,622	*27,849*	*8,266*	*18,750*	*921,262*	*15,723*	*46,935*	*177,115*	*4,696*
79,045	79,140	19,683	72,001	4,170,651	41,672	144,420	561,089	17,279
4,962	1,122	5,620	9,199	40,386	6,274	6,063	80,555	817
.....	3,500	1,500	4,900	37,500	18,942	.....	.....	2,423
1,071	203	239	2,929	117,161	3,066	3,087	12,511	1,410
6,033	4,825	7,359	17,028	195,047	28,282	9,150	93,066	4,650
168	134	.....	.....	54,627	338	344	10,676	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	64	572	102,740	1,172	.....	2,889	10
168	134	64	572	157,367	1,510	344	13,565	10
79,387	82,230	26,080	27,330	1,057,682	5,870	121,155	11,640	17,991
164,633	**166,329**	**53,186**	**116,931**	**5,580,747**	**77,334**	**275,069**	**679,360**	**39,930**
5,000	9,053	.....	2,936	1,730,100	2,000	1,000	139,600	.....
685	989	344	517	56,366	46	562	1,795	874
1,126	1,376	.....	318	154,502	25	2,457	8,327	.....
6,811	11,418	344	3,771	1,940,968	2,071	4,019	149,722	874
79,387	82,230	26,080	27,330	1,057,682	5,870	121,155	11,640	17,991
.....	.....	.....	.....	.....	.....	.....	.....	.....
79,387	82,230	26,080	27,330	1,057,682	5,870	121,155	11,640	17,991
23,000	11,801	3,500	32,064	505,260	24,530	14,525	12,900	5,448
.....	.....	.....	.....	.....	.....	.....	.....	.....
55,435	60,880	23,262	53,766	2,010,895	44,863	135,370	505,098	15,617
.....	.....	.....	.....	65,942	.....	.....	.....	.....
78,435	72,681	26,762	85,830	2,582,097	69,393	149,895	517,998	21,065
164,633	**166,329**	**53,186**	**116,931**	**5,580,747**	**77,334**	**275,069**	**679,360**	**39,930**
41,165	48,362	12,974	46,698	2,343,333	28,223	74,038	169,757	10,018
285	2,068	271	602	47,650	1,035	407	4,254	229
41,450	**50,430**	**13,245**	**47,300**	**2,390,983**	**29,258**	**74,445**	**174,011**	**10,247**
29,796	33,833	8,337	29,205	1,469,447	17,785	46,080	49,220	6,726
.....	.....	.....	.....	.....	.....	.....	14,485	.....
3,130	4,768	314	3,449	153,165	1,798	8,426	12,039	519
2,517	3,730	731	3,348	180,485	2,188	9,277	29,581	951
1,298	1,215	.....	3,039	192,210	2,163	565	12,721	.....
2,239	2,784	839	2,354	117,180	1,808	5,121	14,093	618
.....	.....	.....	.....	.....	.....	.....	.....	.....
38,980	**46,330**	**10,221**	**41,395**	**2,112,487**	**25,742**	**69,469**	**132,139**	**8,814**
2,470	**4,100**	**3,024**	**5,905**	**278,496**	**3,516**	**4,976**	**41,872**	**1,433**
393	426	98	357	15,117	192	848	1,420	88

Municipal Electrical Utilities Financial

Municipality	Cannington	Capreol	Cardinal	Carleton Place	Casselman	Cayuga
Population	1,056	3,006	1,990	4,771	1,278	961
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	86,796	250,973	90,515	314,961	102,659	103,782
Accumulated depreciation	*21,365*	*51,589*	*18,899*	*76,251*	*18,165*	*26,643*
Net fixed assets	65,431	199,384	71,616	238,710	84,494	77,139
CURRENT ASSETS						
Cash on hand and in bank	15,548	50,420	5,170	4,983	13,930	1,329
Investment in government securities	13,000	.....	1,500	15,100	14,000	6,000
Accounts receivable (Net)	373	253	709	9,390	25	486
Total current assets	28,921	50,673	7,379	29,473	27,955	7,815
OTHER ASSETS						
Inventory of stores	.....	.....	.....	5,791	.....	277
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	700	5,246	.....	.....	5,410	.....
Total other assets	700	5,246	.....	5,791	5,410	277
Equity in Ontario Hydro Systems	75,003	21,292	77,706	452,851	26,451	56,229
Total	**170,055**	**276,595**	**156,701**	**726,825**	**144,310**	**141,460**
LIABILITIES						
Debentures outstanding	.....	74,700	.....	11,900	39,000	.....
Accounts payable	1,193	215	1	.....	717	46
Other	385	5,897	150	4,214	75	1,027
Total liabilities	1,578	80,812	151	16,114	39,792	1,073
RESERVES						
Equity in Ontario Hydro Systems	75,003	21,292	77,706	452,851	26,451	56,229
Other	.....	.....	.....	.....	.....	.....
Total reserves	75,003	21,292	77,706	452,851	26,451	56,229
CAPITAL						
Debentures redeemed	14,532	47,300	11,014	61,397	31,000	20,000
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	78,942	127,191	67,830	189,898	47,067	64,158
Contributed capital	.....	.....	.....	6,565	.....	.....
Total capital	93,474	174,491	78,844	257,860	78,067	84,158
Total	**170,055**	**276,595**	**156,701**	**726,825**	**144,310**	**141,460**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	40,133	126,491	49,514	204,526	51,449	38,224
Other	1,042	2,115	203	1,163	1,241	316
Total revenue	**41,175**	**128,606**	**49,717**	**205,689**	**52,690**	**38,540**
EXPENSE						
Power purchased	25,471	73,655	36,255	138,248	32,346	22,796
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	3,096	8,020	4,929	23,701	2,206	4,545
Administration	3,577	14,021	4,033	17,412	4,716	5,464
Fixed charges—interest and principal	.....	9,089	.....	1,466	5,625	.....
—depreciation	2,562	6,402	2,541	8,622	2,642	2,908
—other	.....	.....	.....	.....	.....	.....
Total expense	**34,706**	**111,187**	**47,758**	**189,449**	**47,535**	**35,713**
Net income or *net expense*	**6,469**	**17,419**	**1,959**	**16,240**	**5,155**	**2,827**
Number of customers	458	998	672	1,776	384	392

Statements for the Year Ended December 31, 1963

Chalk River 1,154	Chapleau Twp. 3,758	Chatham 30,116	Chatsworth 382	Chesley 1,722	Chesterville 1,275	Chippawa 3,402	Clifford 556	Clinton 3,552
$	$	$	$	$	$	$	$	$
76,909	168,344	3,521,736	35,036	123,481	102,498	246,464	51,529	355,521
19,505	*15,211*	*924,059*	*10,177*	*46,452*	*22,997*	*50,789*	*13,410*	*84,340*
57,404	153,133	2,597,677	24,859	77,029	79,501	195,675	38,119	271,181
3,250	46,497	16,498	9,839	18,124	15,653	30,465	9,311	34,328
.....	.....	140,000	6,000	24,780	6,000	.....	6,000	.....
230	3,286	183,976	381	6,019	5,331	2,616	256	2,205
3,480	49,783	340,474	16,220	48,923	26,984	33,081	15,567	36,533
.....	.....	91,904	.....	1,280	.....	780	.....	7,854
.....	.....	.....	.....	.....	.....	.....	.....	.....
2,634	8,620	45,935	600	.....	45	878	.....	318
2,634	8,620	137,839	600	1,280	45	1,658	.....	8,172
17,905	.....	2,201,983	30,326	180,846	137,578	105,690	45,406	256,151
81,423	**211,536**	**5,277,973**	**72,005**	**308,078**	**244,108**	**336,104**	**99,092**	**572,037**
42,500	81,000	498,199	.....	.....	.....	56,200	4,900	42,500
1,472	652	4,165	88	278	266	143	334	13,808
475	4,625	40,048	263	250	281	5,320	341	10,295
44,447	86,277	542,412	351	528	547	61,663	5,575	66,603
17,905	.....	2,201,983	30,326	180,846	137,578	105,690	45,406	256,151
.....	.....	87,861	.....	.....	.....	.....	.....	.....
17,905	.....	2,289,844	30,326	180,846	137,578	105,690	45,406	256,151
12,500	34,000	1,021,801	5,014	24,410	5,889	22,150	10,029	79,173
.....	.....	.....	.....	.....	.....	.....	.....	.....
6,571	89,980	1,423,916	36,314	102,294	100,094	134,169	38,082	169,453
.....	1,279	.....	.....	.....	.....	12,432	.....	657
19,071	125,259	2,445,717	41,328	126,704	105,983	168,751	48,111	249,283
81,423	**211,536**	**5,277,973**	**72,005**	**308,078**	**244,108**	**336,104**	**99,092**	**572,037**
28,707	179,683	1,711,516	16,276	73,392	77,678	103,274	22,997	154,072
95	2,172	23,885	356	1,460	494	791	947	5,180
28,802	**181,855**	**1,735,401**	**16,632**	**74,852**	**78,172**	**104,065**	**23,944**	**159,252**
19,563	125,086	862,054	9,734	45,824	62,467	57,435	17,872	98,850
.....	.....	.....	.....	.....	.....	.....	.....	.....
1,422	12,132	362,636	1,435	7,489	2,592	11,988	1,623	15,180
2,008	14,405	235,836	1,382	7,409	5,456	6,971	1,337	14,400
4,448	10,043	84,507	.....	.....	.....	6,163	567	6,503
2,242	4,186	80,607	1,029	3,840	2,789	6,801	1,364	8,494
.....	.....	.....	.....	.....	.....	.....	.....	.....
29,683	**165,852**	**1,625,640**	**13,580**	**64,562**	**73,304**	**89,358**	**22,763**	**143,427**
881	**16,003**	**109,761**	**3,052**	**10,290**	**4,868**	**14,707**	**1,181**	**15,825**
292	1,015	9,994	174	748	470	1,110	225	1,305

Municipal Electrical Utilities Financial

Municipality	Cobden	Cobourg	Cochrane	Colborne	Coldwater	Collingwood
Population	912	9,917	4,617	1,371	775	8,362
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	79,588	1,127,789	495,986	119,972	58,438	737,271
Accumulated depreciation	*14,834*	*293,286*	*108,858*	*18,597*	*11,673*	*147,785*
Net fixed assets	64,754	834,503	387,128	101,375	46,765	589,486
CURRENT ASSETS						
Cash on hand and in bank	3,326	73,372	25,911	100	6,320	1,029
Investment in government securities	6,000	10,000	.....	.....	24,300	53,712
Accounts receivable (Net)	703	15,276	32,128	8,199	1,485	7,132
Total current assets	10,029	98,648	58,039	8,299	32,105	61,873
OTHER ASSETS						
Inventory of stores	.....	18,829	15,407	15,823	.....	19,251
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	497	10,772	67	63	485
Total other assets	.....	19,326	26,179	15,890	63	19,736
Equity in Ontario Hydro Systems	39,138	654,705	25,587	66,234	64,172	693,137
Total	**113,921**	**1,607,182**	**496,933**	**191,798**	**143,105**	**1,364,232**
LIABILITIES						
Debentures outstanding	.....	.....	71,250	.....	.....	.....
Accounts payable	145	1,501	16,479	3,910	.....	17,673
Other	442	14,214	17,307	1,715	385	8,229
Total liabilities	587	15,715	105,036	5,625	385	25,902
RESERVES						
Equity in Ontario Hydro Systems	39,138	654,705	25,587	66,234	64,172	693,137
Other	.....	.....	.....	.....	.....	.....
Total reserves	39,138	654,705	25,587	66,234	64,172	693,137
CAPITAL						
Debentures redeemed	4,949	105,994	73,750	12,195	6,868	38,183
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	69,247	830,768	292,560	107,143	71,680	607,010
Contributed capital	.....	.....	.....	601	.....	.....
Total capital	74,196	936,762	366,310	119,939	78,548	645,193
Total	**113,921**	**1,607,182**	**496,933**	**191,798**	**143,105**	**1,364,232**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	33,143	534,309	196,978	66,877	26,025	345,836
Other	220	11,810	4,636	2,111	962	6,590
Total revenue	**33,363**	**546,119**	**201,614**	**68,988**	**26,987**	**352,426**
EXPENSE						
Power purchased	25,483	389,055	90,575	42,113	18,142	233,617
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	1,502	39,456	27,426	5,342	2,639	33,509
Administration	2,511	53,206	29,348	8,296	2,659	31,471
Fixed charges—interest and principal	.....	.....	11,076	.....	.....	.....
—depreciation	2,097	29,086	12,290	2,586	1,747	17,025
—other	.....	.....	.....	.....	.....	.....
Total expense	**31,593**	**510,803**	**170,715**	**58,337**	**25,187**	**315,622**
Net income or *net expense*	**1,770**	**35,316**	**30,899**	**10,651**	**1,800**	**36,804**
Number of customers	391	3,720	1,334	599	291	3,224

Statements for the Year Ended December 31, 1963

Comber	Coniston	Cookstown	Cottam	Courtright	Creemore	Dashwood	Deep River	Delaware
586	2,593	661	642	554	884	414	5,585	428
$	$	$	$	$	$	$	$	$
61,640	142,133	55,772	57,625	32,869	69,612	33,230	651,111	31,849
17,846	*16,249*	*13,572*	*18,859*	*7,592*	*9,384*	*6,647*	*159,150*	*11,045*
43,794	125,884	42,200	38,766	25,277	60,228	26,583	491,961	20,804
14,216	10,841	12,117	10,365	296	8,838	9,522	103,475	8,586
.....	.....	5,000	3,000	.....	5,000	.....	.....	.....
413	1,341	496	161	548	975	164	4,492	432
14,629	12,182	17,613	13,526	844	14,813	9,686	107,967	9,018
109	1,204	26	71	.....	.....	.....	9,378	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....
211	391	161	.....	150	36	590	8,288	165
320	1,595	187	71	150	36	590	17,666	165
67,039	8,413	35,265	29,418	27,426	58,339	42,940	72,880	23,966
125,782	**148,074**	**95,265**	**81,781**	**53,697**	**133,416**	**79,799**	**690,474**	**53,953**
1,185	37,500	.....	500	.....	.....	.....	195,034	.....
69	7,877	195	.....	2,168	381	387	813	1,142
533	7,406	605	891	404	566	.....	11,896	175
1,787	52,783	800	1,391	2,572	947	387	207,743	1,317
67,039	8,413	35,265	29,418	27,426	58,339	42,940	72,880	23,966
.....	.....	.....	.....	.....	.....	.....	.....	.....
67,039	8,413	35,265	29,418	27,426	58,339	42,940	72,880	23,966
11,515	12,500	12,001	13,392	8,138	2,824	3,400	35,966	4,000
.....	.....	.....	.....	.....	.....	.....	.....	.....
45,441	74,378	47,199	37,580	15,561	71,306	33,072	111,572	24,312
.....	.....	.....	.....	.....	.....	.....	262,313	358
56,956	86,878	59,200	50,972	23,699	74,130	36,472	409,851	28,670
125,782	**148,074**	**95,265**	**81,781**	**53,697**	**133,416**	**79,799**	**690,474**	**53,953**
25,459	72,647	22,102	19,552	12,640	32,896	22,206	232,711	16,302
281	87	458	145	56	311	1	9,020	497
25,740	**72,734**	**22,560**	**19,697**	**12,696**	**33,207**	**22,207**	**241,731**	**16,799**
12,679	41,993	14,939	12,197	7,983	20,641	13,215	146,456	9,840
.....	.....	.....	.....	.....	.....	.....	.....	.....
2,454	4,920	760	1,847	1,493	2,102	1,375	17,063	2,332
3,611	7,216	1,188	1,879	1,442	2,064	1,707	19,243	1,419
419	3,852	.....	534	142	.....	.....	18,643	.....
1,833	3,245	1,660	1,826	942	1,791	934	17,220	984
.....	.....	.....	.....	.....	.....	.....	.....	.....
20,996	**61,226**	**18,547**	**18,283**	**12,002**	**26,598**	**17,231**	**218,625**	**14,575**
4,744	**11,508**	**4,013**	**1,414**	**694**	**6,609**	**4,976**	**23,106**	**2,224**
237	695	256	252	205	364	188	1,476	143

Municipal Electrical Utilities Financial

Municipality	Delhi	Deseronto	Dorchester	Drayton	Dresden	Drumbo
Population	3,623	1,775	984	640	2,304	399
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	383,081	145,834	69,246	67,092	226,728	32,463
Accumulated depreciation	*98,391*	*48,346*	*19,474*	*11,085*	*56,207*	*13,092*
Net fixed assets	284,690	97,488	49,772	56,007	170,521	19,371
CURRENT ASSETS						
Cash on hand and in bank	54,943	100	3,293	5,898	41,250	1,906
Investment in government securities	5,000	12,000	1,500	6,000	1,000	5,500
Accounts receivable (Net)	2,397	7,632	1,184	229	4,754	633
Total current assets	62,340	19,732	5,977	12,127	47,004	8,039
OTHER ASSETS						
Inventory of stores	20,626	9,285	.....	215	9,088	.....
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	115	596	.....	200	.....
Total other assets	20,626	9,400	596	215	9,288	.....
Equity in Ontario Hydro Systems	154,455	82,378	42,738	59,037	169,738	34,563
Total	**522,111**	**208,998**	**99,083**	**127,386**	**396,551**	**61,973**
LIABILITIES						
Debentures outstanding	.....	.....	1,859	.....	10,375	.....
Accounts payable	1,143	1,464	440	261	468	3
Other	5,227	1,273	683	555	2,974	177
Total liabilities	6,370	2,737	2,982	816	13,817	180
RESERVES						
Equity in Ontario Hydro Systems	154,455	82,378	42,738	59,037	169,738	34,563
Other	.....	.....	.....	.....	.....	.....
Total reserves	154,455	82,378	42,738	59,037	169,738	34,563
CAPITAL						
Debentures redeemed	85,000	15,000	5,442	9,500	41,047	4,500
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	259,071	108,883	47,921	57,883	171,949	22,730
Contributed capital	17,215	.....	.....	150	.....	.....
Total capital	361,286	123,883	53,363	67,533	212,996	27,230
Total	**522,111**	**208,998**	**99,083**	**127,386**	**396,551**	**61,973**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	171,459	59,577	29,960	28,903	117,618	13,202
Other	5,278	2,265	477	515	3,538	486
Total revenue	**176,737**	**61,842**	**30,437**	**29,418**	**121,156**	**13,688**
EXPENSE						
Power purchased	110,981	45,837	19,893	18,562	68,210	11,028
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	15,535	6,212	2,518	1,878	18,942	1,415
Administration	13,399	7,419	1,537	1,530	13,998	1,273
Fixed charges—interest and principal	.....	.....	241	.....	2,959	.....
—depreciation	9,540	4,116	1,936	1,795	5,148	1,080
—other	.....	.....	.....	.....	.....	.....
Total expense	**149,455**	**63,584**	**26,125**	**23,765**	**109,257**	**14,796**
Net income or *net expense*	**27,282**	***1,742***	**4,312**	**5,653**	**11,899**	***1,108***
Number of customers	1,488	617	340	274	934	166

Statements for the Year Ended December 31, 1963

Dryden	Dublin	Dundalk	Dundas	Dunnville	Durham	Dutton	East York Twp.	Eganville
6,230	310	926	13,758	5,491	2,450	799	70,176	1,528
$	$	$	$	$	$	$	$	$
665,634	41,071	69,043	1,744,967	536,802	227,855	51,829	4,917,056	172,966
174,591	*10,812*	*15,285*	*263,093*	*106,033*	*37,995*	*16 344*	*995,770*	*56,718*
491,043	30,259	53,758	1,481,874	430,769	189,860	35,485	3,921,286	116,248
20,364	3,828	10,748	6,025	15,912	33,061	6,272	235,292	28,367
26,000	100	16,500	9,000	.....	4,000	4,500	200,000	15,000
3,109	45	742	40,349	5,052	5,112	473	150,533	284
49,473	3,973	27,990	55,374	20,964	42,173	11,245	585,825	43,651
10,310	.....	.....	28,215	33,593	2,162	49	41,088	4,207
.....	.....	.....	.....	.....	.....	.....	156,886	.....
1,568	.....	.....	9,397	294	529	.....	4,478	1,993
11,878	.....	.....	37,612	33,887	2,691	49	202,452	6,200
111,181	27,778	71,256	759,321	404,676	163,466	81,609	2,888,879	18,597
663,575	**62,010**	**153,004**	**2,334,181**	**890,296**	**398,190**	**128,388**	**7,598,442**	**184,696**
114,800	.....	.....	718,600	43,160	29,000	.....	482,017	23,626
7,565	252	517	45,686	347	452	201	36,434	.....
22,194	135	405	38,481	11,089	2,354	445	25,416	.....
144,559	387	922	802,767	54,596	31,806	646	543,867	23,626
111,181	27,778	71,256	759,321	404,676	163,466	81,609	2,888,879	18,597
.....	.....	.....	.....	.....	.....	.....	.....	.....
111,181	27,778	71,256	759,321	404,676	163,466	81,609	2,888,879	18,597
86,630	6,200	5,727	154,945	96,779	26,324	8,408	792,482	76,374
.....	.....	.....	.....	.....	.....	.....	156,886	.....
321,205	27,435	75,099	571,054	311,857	176,594	37,725	3,199,883	66,099
.....	210	.....	46,094	22,388	.....	.....	16,445	.....
407,835	33,845	80,826	772,093	431,024	202,918	46,133	4,165,696	142,473
663,575	**62,010**	**153,004**	**2,334,181**	**890,296**	**398,190**	**128,388**	**7,598,442**	**184,696**
260,670	20,178	42,047	637,227	240,109	108,965	26,703	2,253,715	64,093
10,832	54	433	8,345	726	2,034	280	100,802	1,304
271,502	**20,232**	**42,480**	**645,572**	**240,835**	**110,999**	**26,983**	**2,354,517**	**65,397**
133,202	14,365	26,038	361,700	160,723	65,506	17,838	1,564,533	24,249
.....	.....	.....	.....	.....	.....	.....	.....	12,162
43,365	1,757	4,588	59,174	27,773	11,272	3,065	200,532	4,922
33,064	1,531	2,608	42,719	15,718	10,877	2,265	214,767	6,418
15,541	.....	.....	70,921	5,320	3,713	.....	75,604	7,035
16,429	1,233	1,892	37,586	12,399	4,987	1,657	116,141	4,210
.....	.....	.....	.....	.....	.....	.....	.....	.....
241,601	**18,856**	**35,126**	**572,100**	**221,933**	**96,355**	**24,825**	**2,171,577**	**58,996**
29,901	**1,346**	**7,354**	**73,472**	**18,902**	**14,644**	**2,158**	**182,940**	**6,401**
1,946	118	471	4,398	1,988	892	354	24,193	528

Municipal Electrical Utilities Financial

Municipality	Elmira	Elmvale	Elmwood	Elora	Embro	Erieau
Population	3,629	976	450	1,489	610	472
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	429,735	90,932	24,491	144,827	58,568	93,522
Accumulated depreciation	*103,262*	*24,141*	*8,258*	*44,329*	*20,319*	*19,723*
Net fixed assets	326,473	66,791	16,233	100,498	38,249	73,799
CURRENT ASSETS						
Cash on hand and in bank	34,578	182	2,576	7,544	9,810	2,505
Investment in government securities	.....	15,959	7,000	3,690	6,000	7,718
Accounts receivable (Net)	1,157	1,708	119	1,585	419	567
Total current assets	35,735	17,849	9,695	12,819	16,229	10,790
OTHER ASSETS						
Inventory of stores	710	2,039	.....	446	.....	30
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	563	.....	.....	.....	.....	684
Total other assets	1,273	2,039	.....	446	.....	714
Equity in Ontario Hydro Systems	419,827	69,851	25,553	155,701	52,011	49,005
Total	**783,308**	**156,530**	**51,481**	**269,464**	**106,489**	**134,308**
LIABILITIES						
Debentures outstanding	.....	.....	.....	3,800	.....	6,801
Accounts payable	703	4,757	140	626	630	.....
Other	3,323	645	50	1,992	50	1,016
Total liabilities	4,026	5,402	190	6,418	680	7,817
RESERVES						
Equity in Ontario Hydro Systems	419,827	69,851	25,553	155,701	52,011	49,005
Other	.....	.....	.....	.....	.....	.....
Total reserves	419,827	69,851	25,553	155,701	52,011	49,005
CAPITAL						
Debentures redeemed	37,168	6,544	6,106	16,062	7,500	14,270
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	322,287	74,733	19,632	89,941	46,298	63,216
Contributed capital	.....	.....	.....	1,342	.....	.....
Total capital	359,455	81,277	25,738	107,345	53,798	77,486
Total	**783,308**	**156,530**	**51,481**	**269,464**	**106,489**	**134,308**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	247,229	38,788	10,273	61,974	25,508	32,612
Other	3,419	1,067	390	758	1,049	501
Total revenue	**250,648**	**39,855**	**10,663**	**62,732**	**26,557**	**33,113**
EXPENSE						
Power purchased	166,422	25,585	8,183	35,265	16,297	20,136
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	13,827	3,761	556	7,271	2,479	5,617
Administration	15,710	4,464	1,245	5,836	2,741	3,557
Fixed charges—interest and principal	.....	.....	.....	681	.....	1,898
—depreciation	10,809	2,508	764	3,884	1,772	2,715
—other	.....	.....	.....	.....	.....	.....
Total expense	**206,768**	**36,318**	**10,748**	**52,937**	**23,289**	**33,923**
Net income or *net expense*	**43,880**	**3,537**	***85***	**9,795**	**3,268**	***810***
Number of customers	1,293	415	136	534	239	360

Statements for the Year Ended December 31, 1963

Erie Beach	Erin	Espanola	Essex	Etobicoke Twp.	Exeter	Fergus	Finch	Flesherton
199	1,102	5,329	3,494	177,537	3,225	4,009	394	503
$	$	$	$	$	$	$	$	$
25,276	75,736	333,001	310,144	20,574,308	322,762	405,342	44,330	38,291
3,291	*8,655*	*65,620*	*100,265*	*3,521,758*	*87,274*	*89,961*	*12,990*	*14,280*
21,985	67,081	267,381	209,879	17,052,550	235,488	315,381	31,340	24,011
148	317	53,177	30,967	50,528	5,395	20,343	5,057	2,633
.....	5,063	.....	.....	135,707	3,000	15,000	6,000	18,000
189	532	20,027	4,024	442,108	3,124	1,940	837	2,433
337	5,912	73,204	34,991	628,343	11,519	37,283	11,894	23,066
.....	.....	361	11,416	474,516	797	243	.....	.....
.....	.....	.....	.....	1,254,659	.....	.....	.....	.....
155	311	5,468	446	280,703	.....	.....	.....	.....
155	311	5,829	11,862	2,009,878	797	243	.....	.....
8,756	25,708	19,265	192,486	5,231,676	255,093	396,977	29,961	35,713
31,233	**99,012**	**365,679**	**449,218**	**24,922,447**	**502,897**	**749,884**	**73,195**	**82,790**
1,737	2,175	133,500	13,000	7,464,402	.....	18,000	.....	.....
1,000	924	15,257	6,209	226,338	5,900	239	478	520
253	800	9,787	2,457	502,925	3,055	5,214	246	383
2,990	3,899	158,544	21,666	8,193,665	8,955	23,453	724	903
8,756	25,708	19,265	192,486	5,231,676	255,093	396,977	29,961	35,713
.....	.....	.....	.....	.....	.....	.....	.....	.....
8,756	25,708	19,265	192,486	5,231,676	255,093	396,977	29,961	35,713
6,201	12,325	11,500	38,326	2,052,695	20,000	56,961	7,000	5,830
.....	.....	.....	.....	1,254,659	.....	.....	.....	.....
13,286	57,080	94,080	196,740	7,344,849	216,950	272,493	35,510	40,344
.....	.....	82,290	.....	844,903	1,899	.....	.....	.....
19,487	69,405	187,870	235,066	11,497,106	238,849	329,454	42,510	46,174
31,233	**99,012**	**365,679**	**449,218**	**24,922,447**	**502,897**	**749,884**	**73,195**	**82,790**
7,770	40,477	187,379	131,293	8,856,115	162,329	229,241	16,988	18,237
.....	681	5,607	1,472	120,398	2,491	1,504	203	992
7,770	**41,158**	**192,986**	**132,765**	**8,976,513**	**164,820**	**230,745**	**17,191**	**19,229**
3,188	26,365	89,567	75,162	5,846,184	106,535	147,886	11,914	14,535
.....	.....	.....	.....	.....	.....	.....	.....	.....
701	2,741	16,249	17,119	514,476	12,037	22,911	1,033	1,180
1,204	3,846	24,711	16,212	442,872	20,361	16,408	2,056	1,676
718	819	12,937	3,455	755,249	.....	2,270	.....	.....
699	1,881	8,609	8,407	506,435	9,593	9,950	1,370	1,236
.....	.....	.....	.....	.....	.....	.....	.....	.....
6,510	**35,652**	**152,073**	**120,355**	**8,065,216**	**148,526**	**199,425**	**16,373**	**18,627**
1,260	**5,506**	**40,913**	**12,410**	**911,297**	**16,294**	**31,320**	**818**	**602**
140	431	1,362	1,215	59,053	1,306	1,456	177	256

Municipal Electrical Utilities Financial

Municipality	Fonthill	Forest	Forest Hill	Fort William	Frankford	Galt
Population	2,572	2,137	21,126	46,134	1,693	28,756
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	184,969	176,064	2,046,023	4,769,001	120,425	3,389,628
Accumulated depreciation	*39,760*	*80,480*	*637,042*	*1,303,850*	*19,563*	*1,149,349*
Net fixed assets	145,209	95,584	1,408,981	3,465,151	100,862	2,240,279
CURRENT ASSETS						
Cash on hand and in bank	7,717	7,512	78,142	480,446	5,069	118,751
Investment in government securities	.....	43,364	198,820	85,200	.....	115,000
Accounts receivable (Net)	1,407	3,409	16,615	143,344	1,041	127,066
Total current assets	9,124	54,285	293,577	708,990	6,110	360,817
OTHER ASSETS						
Inventory of stores	.....	4,118	49,581	123,980	.....	77,981
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	61	14,315	15,433	.....	1,521
Total other assets	.....	4,179	63,896	139,413	.....	79,502
Equity in Ontario Hydro Systems	80,542	195,547	1,384,410	5,634,224	32,273	2,840,943
Total	**234,875**	**349,595**	**3,150,864**	**9,947,778**	**139,245**	**5,521,541**
LIABILITIES						
Debentures outstanding	6,750	.....	.....	420,000	.....	25,000
Accounts payable	224	1,039	10,902	143,765	1,828	398
Other	3,028	1,277	48,915	89,223	1,545	44,916
Total liabilities	10,002	2,316	59,817	652,988	3,373	70,314
RESERVES						
Equity in Ontario Hydro Systems	80,542	195,547	1,384,410	5,634,224	32,273	2,840,943
Other	.....	.....	.....	.....	.....	.....
Total reserves	80,542	195,547	1,384,410	5,634,224	32,273	2,840,943
CAPITAL						
Debentures redeemed	53,423	23,357	358,126	644,209	20,000	792,298
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	88,658	128,375	1,348,511	3,016,357	83,599	1,755,134
Contributed capital	2,250	.....	.....	.....	.....	62,852
Total capital	144,331	151,732	1,706,637	3,660,566	103,599	2,610,284
Total	**234,875**	**349,595**	**3,150,864**	**9,947,778**	**139,245**	**5,521,541**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	81,455	90,989	869,357	1,869,108	48,107	1,471,669
Other	2,656	6,099	11,918	99,330	1,572	31,430
Total revenue	**84,111**	**97,088**	**881,275**	**1,968,438**	**49,679**	**1,503,099**
EXPENSE						
Power purchased	57,127	68,284	619,210	1,358,295	32,505	970,627
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	5,796	14,740	81,838	212,509	4,253	141,402
Administration	7,006	9,110	94,232	152,599	5,468	85,735
Fixed charges—interest and principal	2,582	.....	.....	52,633	.....	16,511
—depreciation	4,905	4,327	56,515	113,693	3,032	93,904
—other	.....	.....	.....	.....	.....	.....
Total expense	**77,416**	**96,461**	**851,795**	**1,889,729**	**45,258**	**1,308,179**
Net income or *net expense*	**6,695**	**627**	**29,480**	**78,709**	**4,421**	**194,920**
Number of customers	848	928	8,982	14,516	652	9,678

Statements for the Year Ended December 31, 1963

Georgetown	Glencoe	Goderich	Grand Bend	Grand Valley	Granton	Gravenhurst	Grimsby	Guelph
11,177	1,179	6,657	667	722	280	3,202	5,719	40,918
$	$	$	$	$	$	$	$	$
1,061,566	132,199	851,340	176,949	59,712	19,276	271,905	412,271	4,892,402
202,265	*42,724*	*227,656*	*47,203*	*18,579*	*3,754*	*74,273*	*81,235*	*731,100*
859,301	89,475	623,684	129,746	41,133	15,522	197,632	331,036	4,161,302
39,636	3,748	74,120	2,964	16,556	7,886	110	54,156	210,197
14,000	5,000	75,696	.....	5,500	.....	12,000	.....	.....
3,334	3,046	24,429	9,871	61	243	5,735	1,570	82,981
56,970	11,794	174,245	12,835	22,117	8,129	17,845	55,726	293,178
27,093	444	11,304	421	.....	.....	4,174	.....	73,893
.....	.....	.....	.....	.....	.....	.....	.....	.....
342	157	672	7,694	140	41	.....	5,409	18,582
27,435	601	11,976	8,115	140	41	4,174	5,409	92,475
645,237	94,202	648,510	58,001	65,677	28,905	255,593	173,463	3,449,944
1,588,943	**196,072**	**1,458,415**	**208,697**	**129,067**	**52,597**	**475,244**	**565,634**	**7,996,899**
268,751	.....	62,000	59,155	.....	340	.....	82,000	1,641,000
2,854	2,940	1,346	1,524	.....	183	7,501	3,089	52,401
34,773	570	18,188	5,491	55	55	3,140	7,590	89,626
306,378	3,510	81,534	66,170	55	578	10,641	92,679	1,783,027
645,237	94,202	648,510	58,001	65,677	28,905	255,593	173,463	3,449,944
1,696	.....	.....	.....	.....	.....	.....	.....	.....
646,933	94,202	648,510	58,001	65,677	28,905	255,593	173,463	3,449,944
124,000	20,113	150,959	31,845	10,794	6,304	44,279	93,344	624,878
.....	.....	.....	.....	.....	.....	.....	.....	.....
511,632	75,775	554,279	52,072	52,541	16,810	164,731	206,148	2,079,829
.....	2,472	23,133	609	.....	.....	.....	.....	59,221
635,632	98,360	728,371	84,526	63,335	23,114	209,010	299,492	2,763,928
1,588,943	**196,072**	**1,458,415**	**208,697**	**129,067**	**52,597**	**475,244**	**565,634**	**7,996,899**
520,352	46,109	402,086	75,775	32,207	8,980	121,050	237,654	2,378,364
9,630	727	8,195	835	249	19	2,006	3,168	36,404
529,982	**46,836**	**410,281**	**76,610**	**32,456**	**8,999**	**123,056**	**240,822**	**2,414,768**
366,747	29,273	271,376	36,422	18,554	3,612	93,952	145,047	1,418,427
.....	.....	.....	.....	.....	.....	.....	.....	.....
26,540	4,708	22,885	10,466	2,498	1,087	10,484	17,476	223,920
43,604	7,354	40,727	13,283	2,123	1,333	12,213	25,936	205,956
29,330	231	9,110	8,008	.....	308	.....	10,390	176,178
25,393	3,826	20,501	4,727	1,908	540	6,942	10,631	110,675
.....	.....	.....	.....	.....	.....	.....	.....	.....
491,614	**45,392**	**364,599**	**72,906**	**25,083**	**6,880**	**123,591**	**209,480**	**2,135,156**
38,368	**1,444**	**45,682**	**3,704**	**7,373**	**2,119**	**535**	**31,342**	**279,612**
3,396	520	2,551	840	337	121	1,402	1,998	13,048

Municipal Electrical Utilities Financial

Municipality	Hagersville	Hamilton	Hanover	Harriston	Harrow	Hastings
Population	2,046	271,300	4,502	1,655	1,756	883
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	169,785	27,014,875	419,376	233,727	269,008	88,292
Accumulated depreciation	*47,873*	*3,040,649*	*146,219*	*54,804*	*66,899*	*30,802*
Net fixed assets	121,912	23,974,226	273,157	178,923	202,109	57,490
CURRENT ASSETS						
Cash on hand and in bank	24,971	2,821,226	555	10,507	50	691
Investment in government securities	18,000	.....	57,000	6,895	6,000	11,667
Accounts receivable (Net)	319	1,371,214	8,474	1,413	802	1,136
Total current assets	43,290	4,192,440	66,029	18,815	6,852	13,494
OTHER ASSETS						
Inventory of stores	88	788,774	23,705	166	5,751	.....
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	249	29,728	.....	358	406	.....
Total other assets	337	818,502	23,705	524	6,157	.....
Equity in Ontario Hydro Systems	318,833	35,475,242	432,852	174,720	169,511	38,072
Total	**484,372**	**64,460,410**	**795,743**	**372,982**	**384,629**	**109,056**
LIABILITIES						
Debentures outstanding	.....	914,000	.....	35,600	.....	.....
Accounts payable	7	1,683,225	616	2,903	12,718	502
Other	1,490	158,096	3,580	3,204	855	854
Total liabilities	1,497	2,755,321	4,196	41,707	13,573	1,356
RESERVES						
Equity in Ontario Hydro Systems	318,833	35,475,242	432,852	174,720	169,511	38,072
Other	.....	226,378	.....	.....	.....	.....
Total reserves	318,833	35,701,620	432,852	174,720	169,511	38,072
CAPITAL						
Debentures redeemed	8,000	6,795,892	80,162	30,108	12,000	21,000
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	156,042	19,112,411	278,533	126,447	187,640	48,370
Contributed capital	.....	95,166	.....	.....	1,905	258
Total capital	164,042	26,003,469	358,695	156,555	201,545	69,628
Total	**484,372**	**64,460,410**	**795,743**	**372,982**	**384,629**	**109,056**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	103,284	18,670,871	216,035	84,072	96,694	30,718
Other	1,721	323,149	4,277	1,903	3,124	741
Total revenue	**105,005**	**18,994,020**	**220,312**	**85,975**	**99,818**	**31,459**
EXPENSE						
Power purchased	63,872	16,102,673	148,220	58,310	62,745	20,695
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	16,060	1,081,989	12,518	7,176	10,873	1,949
Administration	7,921	957,673	20,651	6,689	13,656	5,230
Fixed charges—interest and principal	.....	113,728	.....	1,416	751	.....
—depreciation	4,617	538,278	11,033	5,117	6,344	2,814
—other	.....	.....	.....	.....	.....	.....
Total expense	**92,470**	**18,794,341**	**192,422**	**78,708**	**94,369**	**30,688**
Net income or *net expense*	**12,535**	**199,679**	**27,890**	**7,267**	**5,449**	**771**
Number of customers	793	85,863	1,751	688	719	449

Statements for the Year Ended December 31, 1963

Havelock	Hawkesbury	Hearst	Hensall	Hespeler	Highgate	Holstein	Huntsville	Ingersoll
1,277	8,745	2,587	949	4,785	379	154	3,072	7,309
$	$	$	$	$	$	$	$	$
112,248	699,751	255,516	140,903	475,485	40,028	13,161	283,979	750,024
32,859	*150,060*	*34,973*	*37,867*	*82,179*	*15,267*	*4,265*	*70,605*	*191,524*
79,389	549,691	220,543	103,036	393,306	24,761	8,896	213,374	558,500
8,531	44,426	29,958	2,957	54,234	2,338	4,261	57,053	37,305
39,192	.....	40,000	8,992	30,000	3,000	.....	35,000	.....
690	6,316	5,540	757	27,455	227	36	7,638	9,780
48,413	50,742	75,498	12,706	111,689	5,565	4,297	99,691	47,085
.....	21,868	.....	80	32	.....	.....	9,267	21,457
.....	.....	.....	.....	.....	.....	.....	.....	.....
1,294	1,133	4,470	116	1,273	.....	.....	5,870	3,402
1,294	23,001	4,470	196	1,305	.....	.....	15,137	24,859
66,713	92,509	8,978	93,541	680,895	39,672	13,883	351,897	838,786
195,809	**715,943**	**309,489**	**209,479**	**1,187,195**	**69,998**	**27,076**	**680,099**	**1,469,230**
12,000	166,000	39,000	.....	.....	.....	.....	.....	74,100
473	551	3,734	15	1,283	1	.....	184	359
727	7,709	13,456	555	5,122	150	84	2,221	13,422
13,200	174,260	56,190	570	6,405	151	84	2,405	87,881
66,713	92,509	8,978	93,541	680,895	39,672	13,883	351,897	838,786
.....	.....	.....	.....	.....	.....	.....	.....	.....
66,713	92,509	8,978	93,541	680,895	39,672	13,883	351,897	838,786
50,900	119,000	101,000	12,000	77,571	5,000	2,762	15,697	125,700
.....	.....	.....	.....	.....	.....	.....	.....	.....
64,996	312,090	143,321	98,773	420,050	25,175	10,347	310,100	416,863
.....	18,084	.....	4,595	2,274	.....	.....	.....	.....
115,896	449,174	244,321	115,368	499,895	30,175	13,109	325,797	542,563
195,809	**715,943**	**309,489**	**209,479**	**1,187,195**	**69,998**	**27,076**	**680,099**	**1,469,230**
42,122	284,045	110,344	54,895	293,141	13,558	6,380	161,607	362,837
1,968	6,059	2,793	550	8,311	170	1	4,055	8,144
44,090	**290,104**	**113,137**	**55,445**	**301,452**	**13,728**	**6,381**	**165,662**	**370,981**
24,934	141,009	56,081	37,919	233,467	8,206	4,801	91,676	227,151
.....	.....	.....	.....	.....	.....	.....	.....	.....
2,948	32,572	9,242	4,009	20,525	2,395	133	19,590	39,295
4,939	37,197	10,667	3,848	18,990	1,091	598	11,969	36,202
1,973	21,055	8,725	.....	.....	.....	.....	.....	11,044
3,462	17,474	4,636	3,854	10,149	1,285	413	6,758	18,466
.....	.....	.....	.....	.....	.....	.....	.....	.....
38,256	**249,307**	**89,351**	**49,630**	**283,131**	**12,977**	**5,945**	**129,993**	**332,158**
5,834	**40,797**	**23,786**	**5,815**	**18,321**	**751**	**436**	**35,669**	**38,823**
474	2,394	706	370	1,532	165	97	1,228	2,402

Municipal Electrical Utilities Financial

Municipality	Iroquois	Jarvis	Kapuskasing	Kemptville	Killaloe Station	Kincardine
Population	1,146	762	11,887	2,064	898	2,875
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	204,044	65,043	587,926	176,089	60,566	306,433
Accumulated depreciation	*34,442*	*17,307*	*61,223*	*32,315*	*13,356*	*100,627*
Net fixed assets	169,602	47,736	526,703	143,774	47,210	205,806
CURRENT ASSETS						
Cash on hand and in bank	7,505	15,904	34,147	7,953	766	2,478
Investment in government securities	51,000	.....	.....	12,000	.....	15,000
Accounts receivable (Net)	4,117	491	2,761	3,861	414	7,447
Total current assets	62,622	16,395	36,908	23,814	1,180	24,925
OTHER ASSETS						
Inventory of stores	840	.....	2,316	9,099	.....	9,474
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	.....	16,253	.....	2,455	127
Total other assets	840	.....	18,569	9,099	2,455	9,601
Equity in Ontario Hydro Systems	54,213	68,856	40,415	153,016	11,363	271,796
Total	**287,277**	**132,987**	**622,595**	**329,703**	**62,208**	**512,128**
LIABILITIES						
Debentures outstanding	.....	.....	22,957	.....	37,000	.....
Accounts payable	421	147	1,258	13,798	443	371
Other	1,826	50	142,755	1,658	45	3,507
Total liabilities	2,247	197	166,970	15,456	37,488	3,878
RESERVES						
Equity in Ontario Hydro Systems	54,213	68,856	40,415	153,016	11,363	271,796
Other	.....	.....	.....	.....	.....	.....
Total reserves	54,213	68,856	40,415	153,016	11,363	271,796
CAPITAL						
Debentures redeemed	.....	10,500	67,522	19,507	3,000	60,000
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	86,828	53,434	347,688	141,724	10,357	176,454
Contributed capital	143,989	.....	.....	.....	.....	.....
Total capital	230,817	63,934	415,210	161,231	13,357	236,454
Total	**287,277**	**132,987**	**622,595**	**329,703**	**62,208**	**512,128**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	50,825	26,651	238,613	108,328	26,334	133,884
Other	2,393	281	3,905	1,996	543	1,065
Total revenue	**53,218**	**26,932**	**242,518**	**110,324**	**26,877**	**134,949**
EXPENSE						
Power purchased	31,558	16,356	142,055	75,849	13,662	95,901
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	5,739	706	21,806	11,899	2,498	14,213
Administration	6,874	2,510	37,287	7,711	2,744	9,123
Fixed charges—interest and principal	.....	.....	6,474	.....	3,568	.....
—depreciation	4,971	1,989	11,101	4,157	1,562	8,127
—other	.....	.....	.....	.....	.....	.....
Total expense	**49,142**	**21,561**	**218,723**	**99,616**	**24,034**	**127,364**
Net income or *net expense*	**4,076**	**5,371**	**23,795**	**10,708**	**2,843**	**7,585**
Number of customers	397	276	2,302	812	291	1,277

Statements for the Year Ended December 31, 1963

King City	Kingston	Kingsville	Kirkfield	Kitchener	Lakefield	Lambeth	Lanark	Lancaster
1,867	50,011	3,459	197	80,283	2,200	2,407	950	572
$	$	$	$	$	$	$	$	$
137,520	6,538,784	304,135	25,703	11,162,563	238,511	159,041	61,630	37,897
34,884	*1,768,525*	*94,384*	*5,596*	*2,495,570*	*59,263*	*35,943*	*11,406*	*12,334*
102,636	4,770,259	209,751	20,107	8,666,993	179,248	123,098	50,224	25,563
24,874	119,080	27,132	3,008	194,639	4,105	3,603	3,071	4,774
.....	180,000	8,500	.....	400,000	27,000	.....	9,000	5,500
2,779	217,271	2,653	475	559,210	2,789	2,722	1,125	2,322
27,653	516,351	38,285	3,483	1,153,849	33,894	6,325	13,196	12,596
.....	239,512	674	.....	261,215	5,111	.....	496	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....
2,858	9,559	189	140	5,042	5,428	.....	.....	.....
2,858	249,071	863	140	266,257	10,539	.....	496	.....
2,405	2,589,040	227,758	14,056	7,057,646	119,353	74,621	38,321	30,942
135,552	**8,124,721**	**476,657**	**37,786**	**17,144,745**	**343,034**	**204,044**	**102,237**	**69,101**
111,500	1,131,000	.....	.....	88,000	.....	8,620	.....	.....
2,206	213,634	59	.....	352,705	13,979	996	3	4
5,231	12,908	4,745	15	135,250	1,380	2,333	231	612
118,937	1,357,542	4,804	15	575,955	15,359	11,949	234	616
2,405	2,589,040	227,758	14,056	7,057,646	119,353	74,621	38,321	30,942
.....	103,456	.....	.....	363,286	.....	.....	.....	.....
2,405	2,692,496	227,758	14,056	7,420,932	119,353	74,621	38,321	30,942
185	673,839	33,500	5,766	2,239,244	33,500	23,880	7,317	8,917
.....	.....	.....	.....	.....	.....	.....	.....	.....
14,025	3,380,484	210,595	17,949	6,788,565	174,822	83,322	56,365	28,026
.....	20,360	.....	.....	120,049	.....	10,272	.....	600
14,210	4,074,683	244,095	23,715	9,147,858	208,322	117,474	63,682	37,543
135,552	**8,124,721**	**476,657**	**37,786**	**17,144,745**	**343,034**	**204,044**	**102,237**	**69,101**
84,482	2,448,065	121,093	7,357	4,139,443	84,040	68,076	22,252	22,051
3,666	45,592	1,854	119	46,369	1,630	1,397	669	499
88,148	**2,493,657**	**122,947**	**7,476**	**4,185,812**	**85,670**	**69,473**	**22,921**	**22,550**
50,851	1,542,879	80,125	3,673	2,748,329	56,220	45,843	16,362	12,286
.....	.....	.....	.....	.....	.....	.....	.....	.....
4,034	223,015	13,969	663	367,028	8,601	3,313	2,245	2,011
5,187	257,074	14,137	683	339,049	6,603	6,863	1,467	2,179
9,737	137,035	.....	.....	91,447	.....	1,314	.....	.....
3,404	156,521	8,325	765	260,596	6,528	4,201	1,623	1,160
.....	.....	.....	.....	.....	.....	.....	.....	.....
73,213	**2,316,524**	**116,556**	**5,784**	**3,806,449**	**77,952**	**61,534**	**21,697**	**17,636**
14,935	**177,133**	**6,391**	**1,692**	**379,363**	**7,718**	**7,939**	**1,224**	**4,914**
543	16,859	1,279	107	26,179	791	700	300	215

Municipal Electrical Utilities Financial

Municipality	Larder Lake Twp.	Latchford	Leamington	Lindsay	Listowel	London
Population	1,710	487	8,934	11,303	4,220	171,116
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	72,511	42,222	853,719	1,350,450	476,759	21,507,806
Accumulated depreciation	*27,855*	*9,476*	*228,231*	*397,022*	*148,489*	*4,709,177*
Net fixed assets	44,656	32,746	625,488	953,428	328,270	16,798,629
CURRENT ASSETS						
Cash on hand and in bank	16,310	5,517	46,009	8,382	23,250	21,448
Investment in government securities	.....	.....	2,000	.....	20,000	256,500
Accounts receivable (Net)	342	495	11,246	6,975	2,499	926,504
Total current assets	16,652	6,012	59,255	15,357	45,749	1,204,452
OTHER ASSETS						
Inventory of stores	.....	.....	24,199	14,449	601	677,211
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	2,280	.....	349	.....	160	114,453
Total other assets	2,280	.....	24,548	14,449	761	791,664
Equity in Ontario Hydro Systems	11,638	2,386	624,111	831,126	415,759	11,457,991
Total	**75,226**	**41,144**	**1,333,402**	**1,814,360**	**790,539**	**30,252,736**
LIABILITIES						
Debentures outstanding	1,600	.....	55,500	.....	48,614	6,821,905
Accounts payable	1,427	58	2,162	18,697	16,082	930,568
Other	6,820	760	18,137	8,027	6,584	254,715
Total liabilities	9,847	818	75,799	26,724	71,280	8,007,188
RESERVES						
Equity in Ontario Hydro Systems	11,638	2,386	624,111	831,126	415,759	11,457,991
Other	.....	.....	.....	.....	.....	326,784
Total reserves	11,638	2,386	624,111	831,126	415,759	11,784,775
CAPITAL						
Debentures redeemed	16,400	18,900	70,500	130,000	84,220	2,422,097
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	37,341	19,040	535,808	818,753	217,825	8,035,645
Contributed capital	.....	.....	27,184	7,757	1,455	3,031
Total capital	53,741	37,940	633,492	956,510	303,500	10,460,773
Total	**75,226**	**41,144**	**1,333,402**	**1,814,360**	**790,539**	**30,252,736**
B OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	54,302	11,619	420,100	550,536	215,265	7,470,696
Other	212	114	3,584	26,971	2,085	294,390
Total revenue	**54,514**	**11,733**	**423,684**	**577,507**	**217,350**	**7,765,086**
EXPENSE						
Power purchased	37,984	6,626	290,558	383,860	151,783	4,771,415
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	2,864	1,034	30,495	60,519	19,423	670,290
Administration	4,946	1,318	40,921	55,573	11,899	678,034
Fixed charges—interest and principal	1,594	.....	6,717	.....	7,193	629,558
—depreciation	2,454	1,234	22,100	28,997	13,184	495,890
—other	.....	.....	.....	.....	.....	.....
Total expense	**49,842**	**10,212**	**390,791**	**528,949**	**203,482**	**7,245,187**
Net income or *net expense*	**4,672**	**1,521**	**32,893**	**48,558**	**13,868**	**519,899**
Number of customers	528	160	3,389	4,063	1,631	54,873

Statements for the Year Ended December 31, 1963

Long Branch	L'Orignal	Lucan	Lucknow	Lynden	Madoc	Magnetawan	Markdale	Markham
11,129	1,289	950	1,066	557	1,491	253	1,111	5,265
$	$	$	$	$	$	$	$	$
683,152	114,264	95,225	107,820	38,585	165,368	29,146	79,830	439,105
109,197	*29,347*	*29,648*	*18,886*	*12,908*	*51,717*	*8,223*	*15,626*	*85,559*
573,955	84,917	65,577	88,934	25,677	113,651	20,923	64,204	353,546
10,470	155	12,899	5,255	11,595	8,400	2,392	11,079	32,672
138,827	.....	5,500	9,000	2,000	22,000	7,500	5,898	.....
71,983	798	1,644	1,390	1,545	2,800	12	498	15,565
221,280	953	20,043	15,645	15,140	33,200	9,904	17,475	48,237
.....	.....	188	.....	414	6,923	148	.....	648
.....	.....	.....	.....	.....	.....	.....	.....	.....
50	1,878	.....	86	.....	1,068	490	.....	683
50	1,878	188	86	414	7,991	638	.....	1,331
459,254	13,618	81,847	112,116	48,517	80,710	4,661	67,843	176,361
1,254,539	**101,366**	**167,655**	**216,781**	**89,748**	**235,552**	**36,126**	**149,522**	**579,475**
.....	15,500	.....	.....	.....	.....	10,800	.....	85,554
10	221	2	10	.....	13	168	1,324	2,749
25,148	660	925	.....	22	1,374	.....	877	7,696
25,158	16,381	927	10	22	1,387	10,968	2,201	95,999
459,254	13,618	81,847	112,116	48,517	80,710	4,661	67,843	176,361
.....	.....	.....	.....	.....	.....	.....	.....	.....
459,254	13,618	81,847	112,116	48,517	80,710	4,661	67,843	176,361
40,305	12,500	11,214	17,614	4,495	14,000	13,200	6,370	33,656
.....	.....	.....	.....	.....	.....	.....	.....	.....
720,897	58,867	73,667	87,041	36,714	139,455	7,297	73,108	253,439
8,925	.....	.....	.....	.....	.....	.....	.....	20,020
770,127	71,367	84,881	104,655	41,209	153,455	20,497	79,478	307,115
1,254,539	**101,366**	**167,655**	**216,781**	**89,748**	**235,552**	**36,126**	**149,522**	**579,475**
421,651	33,987	38,670	50,421	19,283	54,349	8,837	45,934	219,399
10,373	1,191	609	304	122	2,398	379	304	4,738
432,024	**35,178**	**39,279**	**50,725**	**19,405**	**56,747**	**9,216**	**46,238**	**224,137**
300,038	17,934	25,741	36,327	12,190	40,389	3,955	30,013	143,740
.....	.....	.....	.....	.....	.....	.....	.....	.....
18,677	4,894	1,884	3,885	1,485	3,839	790	3,699	14,394
43,535	3,348	2,611	4,626	1,531	5,182	845	1,993	19,332
3,102	2,350	.....	.....	.....	.....	1,992	.....	8,847
18,509	3,207	2,825	2,933	1,208	5,022	825	2,152	11,350
.....	.....	.....	.....	.....	.....	.....	.....	.....
383,861	**31,733**	**33,061**	**47,771**	**16,414**	**54,432**	**8,407**	**37,857**	**197,663**
48,163	**3,445**	**6,218**	**2,954**	**2,991**	**2,315**	**809**	**8,381**	**26,474**
4,484	403	362	469	184	603	109	494	1,684

Municipal Electrical Utilities Financial

Municipality	Marmora	Martintown	Massey	Maxville	McGarry	Meaford
Population	1,308	393	1,317	844	2,370	3,685
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	109,052	32,046	97,670	80,155	80,954	321,236
Accumulated depreciation	*41,001*	*10,027*	*12,392*	*15,901*	*23,301*	*95,337*
Net fixed assets	68,051	22,019	85,278	64,254	57,653	225,899
CURRENT ASSETS						
Cash on hand and in bank	9,553	8,308	7,318	3,066	22,960	32,811
Investment in government securities	3,000	.....	.....	1,500	.....	.....
Accounts receivable (Net)	770	1,526	6,934	842	481	2,732
Total current assets	13,323	9,834	14,252	5,408	23,441	35,543
OTHER ASSETS						
Inventory of stores	1,675	.....	295	.....	.....	8,429
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	.....	2,977	.....	62	184
Total other assets	1,675	.....	3,272	.....	62	8,613
Equity in Ontario Hydro Systems	58,425	14,756	4,689	54,135	10,800	258,016
Total	**141,474**	**46,609**	**107,491**	**123,797**	**91,956**	**528,071**
LIABILITIES						
Debentures outstanding	.....	.....	31,000	.....	.....	.....
Accounts payable	2	142	665	101	13	872
Other	1,030	86	2,363	957	5,412	5,908
Total liabilities	1,032	228	34,028	1,058	5,425	6,780
RESERVES						
Equity in Ontario Hydro Systems	58,425	14,756	4,689	54,135	10,800	258,016
Other	.....	.....	.....	.....	.....	.....
Total reserves	58,425	14,756	4,689	54,135	10,800	258,016
CAPITAL						
Debentures redeemed	15,092	5,347	14,000	13,642	13,782	47,725
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	66,925	26,278	54,774	53,962	61,949	215,550
Contributed capital	.....	.....	.....	1,000	.....	.....
Total capital	82,017	31,625	68,774	68,604	75,731	263,275
Total	**141,474**	**46,609**	**107,491**	**123,797**	**91,956**	**528,071**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	47,115	9,705	44,333	33,779	54,185	167,621
Other	589	78	145	255	453	3,022
Total revenue	**47,704**	**9,783**	**44,478**	**34,034**	**54,638**	**170,643**
EXPENSE						
Power purchased	31,522	6,469	20,953	24,070	33,862	126,112
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	8,474	420	4,348	2,541	3,560	12,813
Administration	4,249	1,015	6,826	1,433	7,534	14,542
Fixed charges—interest and principal	.....	.....	3,980	.....	.....	.....
—depreciation	3,332	987	2,426	2,233	2,506	8,006
—other	.....	.....	.....	.....	.....	.....
Total expense	**47,577**	**8,891**	**38,533**	**30,277**	**47,462**	**161,473**
Net income or *net expense*	**127**	**892**	**5,945**	**3,757**	**7,176**	**9,170**
Number of customers	504	124	370	322	460	1,584

Statements for the Year Ended December 31, 1963

Merlin	Merrick-ville	Midland	Mildmay	Millbrook	Milton	Milverton	Mimico	Mitchell
615	890	8,917	875	863	5,868	1,122	18,150	2,294
$	$	$	$	$	$	$	$	$
74,688	76,342	818,661	61,085	71,603	645,432	107,062	1,241,706	318,243
29,301	*11,298*	*325,580*	*8,066*	*15,938*	*160,982*	*26,357*	*327,549*	*81,050*
45,387	65,044	493,081	53,019	55,665	484,450	80,705	914,157	237,193
15,727	6,196	7,987	.....	779	93,966	8,443	128,795	185
.....	.....	100,000	7,500	5,000	.....	16,500	65,000	23,000
116	1,525	19,861	99	400	4,301	754	52,932	4,570
15,843	7,721	127,848	7,599	6,179	98,267	25,697	246,727	27,755
336	.....	9,922	51	.....	1,951	111	19,457	13,762
.....	.....	.....	.....	.....	.....	.....	.....	.....
110	353	2,572	.....	41	342	.....	1,004	36
446	353	12,494	51	41	2,293	111	20,461	13,798
50,800	22,928	1,021,229	41,205	31,072	487,047	168,971	830,649	225,977
112,476	**96,046**	**1,654,652**	**101,874**	**92,957**	**1,072,057**	**275,484**	**2,011,994**	**504,723**
.....	10,700	.....	.....	.....	59,529	9,800	62,500	12,400
4	169	3,946	2,109	781	4,148	362	15,535	6
166	1,235	3,463	291	796	8,170	285	44,418	7,463
170	12,104	7,409	2,400	1,577	71,847	10,447	122,453	19,869
50,800	22,928	1,021,229	41,205	31,072	487,047	168,971	830,649	225,977
.....	.....	.....	.....	.....	.....	.....	.....	.....
50,800	22,928	1,021,229	41,205	31,072	487,047	168,971	830,649	225,977
13,122	14,300	111,945	12,303	9,000	64,466	14,460	188,163	34,709
.....	.....	.....	.....	.....	.....	.....	.....	.....
48,384	46,714	512,060	45,966	51,308	448,697	80,624	860,039	224,168
.....	.....	2,009	.....	.....	.....	982	10,690	.....
61,506	61,014	626,014	58,269	60,308	513,163	96,066	1,058,892	258,877
112,476	**96,046**	**1,654,652**	**101,874**	**92,957**	**1,072,057**	**275,484**	**2,011,994**	**504,723**
24,261	31,614	386,543	29,911	26,546	279,184	58,541	597,285	137,949
2,824	2	5,111	275	1,017	11,819	821	20,271	3,713
27,085	**31,616**	**391,654**	**30,186**	**27,563**	**291,003**	**59,362**	**617,556**	**141,662**
14,408	20,056	319,957	19,911	20,270	172,275	35,564	363,388	84,111
.....	.....	.....	.....	.....	.....	.....	.....	.....
2,191	1,708	37,029	4,392	2,853	16,252	4,811	29,215	19,495
4,566	2,852	26,989	2,837	3,414	33,898	6,750	86,724	14,649
.....	1,720	.....	.....	.....	7,174	1,166	9,554	1,844
2,224	2,045	24,622	1,564	1,871	15,328	2,706	30,314	6,798
.....	.....	.....	.....	.....	.....	.....	.....	.....
23,389	**28,381**	**408,597**	**28,704**	**28,408**	**244,927**	**50,997**	**519,195**	**126,897**
3,696	**3,235**	***16,943***	**1,482**	***845***	**46,076**	**8,365**	**98,361**	**14,765**
264	354	3,022	318	335	1,877	494	7,041	950

Municipal Electrical Utilities Financial

Municipality	Moorefield	Morrisburg	Mount Brydges	Mount Forest	Napanee	Neustadt
Population	310	1,945	997	2,651	4,404	533
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	26,130	246,664	81,161	209,120	433,053	39,904
Accumulated depreciation	*8,621*	*45,935*	*9,890*	*51,019*	*138,035*	*16,870*
Net fixed assets	17,509	200,729	71,271	158,101	295,018	23,034
CURRENT ASSETS						
Cash on hand and in bank	3,393	8,347	9,220	27,846	30,162	1,165
Investment in government securities	1,000	11,000	.....	20,000	22,000	12,200
Accounts receivable (Net)	85	3,910	452	3,365	17,915	304
Total current assets	4,478	23,257	9,672	51,211	70,077	13,669
OTHER ASSETS						
Inventory of stores	.....	7,285	.....	1,372	9,291	.....
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	.....	284	.....	100	.....
Total other assets	.....	7,285	284	1,372	9,391	.....
Equity in Ontario Hydro Systems	30,334	86,822	40,214	198,989	350,350	32,600
Total	**52,321**	**318,093**	**121,441**	**409,673**	**724,836**	**69,303**
LIABILITIES						
Debentures outstanding	.....	.....	13,700	.....	.....	.....
Accounts payable	.....	890	6,269	26	24	45
Other	107	2,831	701	1,666	6,569	204
Total liabilities	107	3,721	20,670	1,692	6,593	249
RESERVES						
Equity in Ontario Hydro Systems	30,334	86,822	40,214	198,989	350,350	32,600
Other	.....	.....	.....	.....	.....	.....
Total reserves	30,334	86,822	40,214	198,989	350,350	32,600
CAPITAL						
Debentures redeemed	4,500	31,636	5,449	21,627	70,000	15,504
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	17,380	95,370	55,108	187,365	297,893	20,950
Contributed capital	.....	100,544	.....	.....	.....	.....
Total capital	21,880	227,550	60,557	208,992	367,893	36,454
Total	**52,321**	**318,093**	**121,441**	**409,673**	**724,836**	**69,303**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	17,042	80,469	34,129	115,612	195,877	14,144
Other	39	1,488	127	2,047	45,137	379
Total revenue	**17,081**	**81,957**	**34,256**	**117,659**	**241,014**	**14,523**
EXPENSE						
Power purchased	13,052	50,770	17,996	80,496	146,211	12,499
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	508	13,590	3,511	10,243	17,524	663
Administration	430	15,006	3,492	11,195	38,590	1,759
Fixed charges—interest and principal	.....	.....	1,350	.....	.....	.....
—depreciation	835	6,100	2,229	5,176	10,007	1,370
—other	.....	.....	.....	.....	.....	.....
Total expense	**14,825**	**85,466**	**28,578**	**107,110**	**212,332**	**16,291**
Net income or *net expense*	**2,256**	***3,509***	**5,678**	**10,549**	**28,682**	***1,768***
Number of customers	135	728	380	1,102	1,731	210

Statements for the Year Ended December 31, 1963

Newboro	Newburgh	Newbury	Newcastle	New Hamburg	Newmarket	New Toronto	Niagara	Niagara Falls
256	563	336	1,278	2,165	8,437	11,785	2,770	53,941
$	$	$	$	$	$	$	$	$
34,620	66,163	27,650	141,454	216,432	824,191	1,094,982	284,690	5,699,089
7,853	*22,847*	*9,866*	*42,945*	*44,351*	*180,584*	*223,151*	*74,284*	*1,301,110*
26,767	43,316	17,784	98,509	172,081	643,607	871,831	210,406	4,397,979
1,491	3,677	798	4,172	3,233	68,107	133,521	32,236	361,830
2,000	3,000	6,500	4,000	5,000	.....	155,000	10,000	63,000
277	382	1,316	2,181	1,490	7,851	26,604	2,858	103,874
3,768	7,059	8,614	10,353	9,723	75,958	315,125	45,094	528,704
.....	.....	30	1,654	1,554	340	18,447	13,847	124,500
.....	.....	.....	.....	.....	.....	.....	.....	.....
1,326	185	48	193	120	166	300	39	22,905
1,326	185	78	1,847	1,674	506	18,747	13,886	147,405
5,082	13,190	20,277	58,458	212,358	331,600	2,695,192	197,907	3,732,317
36,943	**63,750**	**46,753**	**169,167**	**395,836**	**1,051,671**	**3,900,895**	**467,293**	**8,806,405**
6,190	1,500	.....	10,500	7,000	46,531	.....	19,828	830,585
7	4	712	447	2,512	1,099	6,766	434	1,502
96	249	30	892	505	10,933	22,432	3,815	107,494
6,293	1,753	742	11,839	10,017	58,563	29,198	24,077	939,581
5,082	13,190	20,277	58,458	212,358	331,600	2,695,192	197,907	3,732,317
.....	.....	.....	.....	.....	.....	.....	.....	.....
5,082	13,190	20,277	58,458	212,358	331,600	2,695,192	197,907	3,732,317
10,810	12,500	9,754	18,387	25,264	48,355	8,000	60,680	1,419,845
.....	.....	.....	.....	.....	.....	.....	.....	.....
14,758	36,307	15,755	80,483	148,197	613,153	1,167,558	180,629	2,654,059
.....	.....	225	.....	.....	.....	947	4,000	60,603
25,568	48,807	25,734	98,870	173,461	661,508	1,176,505	245,309	4,134,507
36,943	**63,750**	**46,753**	**169,167**	**395,836**	**1,051,671**	**3,900,895**	**467,293**	**8,806,405**
9,573	20,728	8,316	58,395	93,628	415,424	1,350,907	110,939	2,149,252
124	444	300	1,744	980	1,551	17,352	2,234	26,024
9,697	**21,172**	**8,616**	**60,139**	**94,608**	**416,975**	**1,368,259**	**113,173**	**2,175,276**
4,300	11,675	5,442	36,949	63,004	296,245	1,192,600	67,061	1,315,377
.....	.....	.....	.....	.....	.....	.....	.....	.....
1,014	1,401	819	5,101	7,440	22,847	31,576	16,146	272,679
1,177	2,301	1,031	7,364	7,926	25,160	80,116	8,899	205,338
1,172	892	.....	2,220	1,320	6,429	.....	2,568	101,739
1,009	2,122	917	3,723	4,724	21,753	26,700	7,250	139,705
.....	.....	.....	.....	.....	.....	.....	.....	.....
8,672	**18,391**	**8,209**	**55,357**	**84,414**	**372,434**	**1,330,992**	**101,924**	**2,034,838**
1,025	**2,781**	**407**	**4,782**	**10,194**	**44,541**	**37,267**	**11,249**	**140,438**
157	194	138	495	749	2,789	4,190	1,077	16,935

Municipal Electrical Utilities Financial

Municipality	Nipigon Twp.	North Bay	North York Twp.	Norwich	Norwood	Oakville
Population	2,783	23,457	307,584	1,662	1,093	46,152
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	192,582	2,140,108	29,894,301	124,970	117,388	6,264,482
Accumulated depreciation	*55,910*	*562,706*	*4,802,182*	*50,608*	*37,922*	*1,087,168*
Net fixed assets	136,672	1,577,402	25,092,119	74,362	79,466	5,177,314
CURRENT ASSETS						
Cash on hand and in bank	12,008	222,933	1,805,787	16,026	12,170	336,524
Investment in government securities	22,936	.....	10,000	7,500	15,000	.....
Accounts receivable (Net)	3,258	32,092	369,270	5,902	1,830	87,319
Total current assets	38,202	255,025	2,185,057	29,428	29,000	423,843
OTHER ASSETS						
Inventory of stores	345	31,784	614,224	5,538	.....	77,686
Sinking fund on local debentures	.....	.....	1,143,872	.....	.....	.....
Miscellaneous	.....	8,476	286,394	52	892	47,400
Total other assets	345	40,260	2,044,490	5,590	892	125,086
Equity in Ontario Hydro Systems	125,267	165,526	6,993,411	151,663	53,962	1,173,513
Total	**300,486**	**2,038,213**	**36,315,077**	**261,043**	**163,320**	**6,899,756**
LIABILITIES						
Debentures outstanding	.....	362,000	10,305,535	.....	.....	2,767,984
Accounts payable	28	3,855	405,702	2,329	110	135,334
Other	2,532	90,220	1,408,413	1,388	967	157,033
Total liabilities	2,560	456,075	12,119,650	3,717	1,077	3,060,351
RESERVES						
Equity in Ontario Hydro Systems	125,267	165,526	6,993,411	151,663	53,962	1,173,513
Other	.....	1,212	.....	.....	.....	.....
Total reserves	125,267	166,738	6,993,411	151,663	53,962	1,173,513
CAPITAL						
Debentures redeemed	10,000	370,158	3,247,448	13,756	55,100	570,150
Local sinking fund	.....	.....	1,143,872	.....	.....	.....
Accumulated net income invested in plant or held as working funds	162,659	1,045,242	12,480,300	89,120	49,799	2,046,926
Contributed capital	.....	.....	330,396	2,787	3,382	48,816
Total capital	172,659	1,415,400	17,202,016	105,663	108,281	2,665,892
Total	**300,486**	**2,038,213**	**36,315,077**	**261,043**	**163,320**	**6,899,756**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	88,162	1,055,589	13,426,453	64,206	36,301	3,317,049
Other	4,244	20,744	391,777	2,522	1,466	110,614
Total revenue	**92,406**	**1,076,333**	**13,818,230**	**66,728**	**37,767**	**3,427,663**
EXPENSE						
Power purchased	61,370	576,503	8,264,899	38,657	24,680	2,400,421
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	13,404	106,480	1,092,730	12,479	3,006	219,757
Administration	11,023	129,710	1,052,732	9,429	3,807	257,059
Fixed charges—interest and principal	.....	39,547	1,068,926	.....	.....	273,141
—depreciation	4,940	52,399	666,100	3,083	3,720	133,285
—other	.....	.....	.....	.....	.....	.....
Total expense	**90,737**	**904,639**	**12,145,387**	**63,648**	**35,213**	**3,283,663**
Net income or *net expense*	**1,669**	**171,694**	**1,672,843**	**3,080**	**2,554**	**144,000**
Number of customers	775	8,022	101,235	679	415	13,616

Statements for the Year Ended December 31, 1963

Oil Springs	Omemee	Orangeville	Orillia	Orono	Oshawa	Ottawa	Otterville	Owen Sound
510	817	4,934	14,686	845	65,464	304,365	745	17,877
$	$	$	$	$	$	$	$	$
71,669	79,118	415,408	4,893,107	91,245	8,107,878	34,457,831	66,676	1,798,637
24,162	*27,582*	*92,062*	*1,284,976*	*24,833*	*1,998,929*	*7,285,664*	*23,474*	*453,464*
47,507	51,536	323,346	3,608,131	66,412	6,108,949	27,172,167	43,202	1,345,173
2,557	2,141	13,977	39,102	20	237,259	551,912	2,869	45,629
11,000	5,500	.....	119,798	2,500	400,000	355,000	.....	70,000
249	1,473	2,521	80,458	470	384,705	951,550	207	81,923
13,806	9,114	16,498	239,358	2,990	1,021,964	1,858,462	3,076	197,552
472	2,258	7,163	58,661	3,120	114,122	469,431	.....	46,901
.....	.....	.....	.....	.....	.....	.....	.....	.....
245	.....	149	5,148	129	11,889	4,919	.....	12,870
717	2,258	7,312	63,809	3,249	126,011	474,350	.....	59,771
82,879	32,849	305,754	188,766	29,973	4,949,724	8,634,797	46,529	1,373,519
144,909	**95,757**	**652,910**	**4,100,064**	**102,624**	**12,206,648**	**38,139,776**	**92,807**	**2,976,015**
.....	.....	30,000	661,000	.....	245,000	4,031,000	.....	16,000
.....	3,167	12,216	19,427	1,154	307,662	1,068,417	810	45,187
445	309	4,302	16,215	3,250	110,753	.....	204	21,002
445	3,476	46,518	696,642	4,404	663,415	5,099,417	1,014	82,189
82,879	32,849	305,754	188,766	29,973	4,949,724	8,634,797	46,529	1,373,519
.....	.....	.....	120,900	.....	.....	252,013	.....	654
82,879	32,849	305,754	309,666	29,973	4,949,724	8,886,810	46,529	1,374,173
16,721	12,000	25,594	1,951,000	8,000	557,622	5,859,698	4,500	191,718
.....	.....	.....	.....	.....	.....	.....	.....	.....
44,864	47,432	275,044	1,142,756	60,247	5,878,957	16,065,180	40,764	1,327,935
.....	.....	.....	.....	.....	156,930	2,228,671	.....	.....
61,585	59,432	300,638	3,093,756	68,247	6,593,509	24,153,549	45,264	1,519,653
144,909	**95,757**	**652,910**	**4,100,064**	**102,624**	**12,206,648**	**38,139,776**	**92,807**	**2,976,015**
21,335	30,044	219,008	829,633	38,158	3,557,396	12,255,269	26,031	710,426
1,544	1,015	1,231	12,943	1,390	173,449	294,473	273	41,858
22,879	**31,059**	**220,239**	**842,576**	**39,548**	**3,730,845**	**12,549,742**	**26,304**	**752,284**
11,862	18,890	145,434	264,363	23,994	2,748,114	7,685,507	16,246	444,047
.....	.....	.....	159,649	.....	.....	260,694	.....	.....
1,575	4,534	14,428	85,586	3,770	276,174	1,266,108	2,801	85,678
3,000	3,198	30,079	100,440	7,128	226,857	821,632	2,157	90,372
.....	.....	1,575	136,383	.....	37,932	560,975	.....	9,112
2,161	2,484	10,565	107,623	2,246	185,355	887,359	2,131	38,636
.....	.....	.....	.....	.....	.....	19,000	.....	.....
18,598	**29,106**	**202,081**	**854,044**	**37,138**	**3,474,432**	**11,501,275**	**23,335**	**667,845**
4,281	**1,953**	**18,158**	***11,468***	**2,410**	**256,413**	**1,048,467**	**2,969**	**84,439**
240	321	1,843	5,564	381	21,423	95,466	285	6,349

Municipal Electrical Utilities Financial

Municipality	Paisley	Palmerston	Paris	Parkhill	Parry Sound	Penetanguishene
Population	744	1,580	5,923	1,089	6,021	5,007
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	69,555	230,522	615,132	139,001	1,011,237	320,252
Accumulated depreciation	*14,071*	*56,485*	*176,972*	*30,418*	*278,320*	*128,833*
Net fixed assets	55,484	174,037	438,160	108,583	732,917	191,419
CURRENT ASSETS						
Cash on hand and in bank	4,559	1,764	18,299	8,905	350	18,538
Investment in government securities	12,000	.....	.....	6,000	16,500	75,000
Accounts receivable (Net)	268	1,204	3,361	3,722	4,246	2,200
Total current assets	16,827	2,968	21,660	18,627	21,096	95,738
OTHER ASSETS						
Inventory of stores	.....	854	744	121	7,207	1,778
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	299	391	10,837	.....	326	597
Total other assets	299	1,245	11,581	121	7,533	2,375
Equity in Ontario Hydro Systems	60,486	192,515	505,927	106,523	100,543	290,874
Total	**133,096**	**370,765**	**977,328**	**233,854**	**862,089**	**580,406**
LIABILITIES						
Debentures outstanding	.....	12,000	76,700	6,100	56,000	.....
Accounts payable	2,136	1,030	122	381	12,572	689
Other	406	2,293	2,227	1,255	13,855	1,973
Total liabilities	2,542	15,323	79,049	7,736	82,427	2,662
RESERVES						
Equity in Ontario Hydro Systems	60,486	192,515	505,927	106,523	100,543	290,874
Other	.....	.....	.....	.....	2,309	.....
Total reserves	60,486	192,515	505,927	106,523	102,852	290,874
CAPITAL						
Debentures redeemed	13,623	30,000	118,807	23,680	412,500	36,983
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	56,445	114,064	273,545	95,915	264,310	249,354
Contributed capital	.....	18,863	.....	.....	.....	533
Total capital	70,068	162,927	392,352	119,595	676,810	286,870
Total	**133,096**	**370,765**	**977,328**	**233,854**	**862,089**	**580,406**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	30,499	75,167	230,386	66,855	249,873	136,039
Other	536	157	1,866	490	9,740	4,758
Total revenue	**31,035**	**75,324**	**232,252**	**67,345**	**259,613**	**140,797**
EXPENSE						
Power purchased	19,370	41,207	129,220	44,602	113,427	100,554
Local generation	.....	.....	.....	.....	35,020	.....
Operation and maintenance	3,010	5,308	24,043	5,284	32,775	12,313
Administration	4,061	9,656	19,584	8,328	28,853	11,762
Fixed charges—interest and principal	.....	1,808	8,725	1,024	6,695	.....
—depreciation	1,939	6,067	16,800	3,686	21,408	9,382
—other	.....	.....	.....	.....	.....	.....
Total expense	**28,380**	**64,046**	**198,372**	**62,924**	**238,178**	**134,011**
Net income or *net expense*	**2,655**	**11,278**	**33,880**	**4,421**	**21,435**	**6,786**
Number of customers	345	640	1,996	514	2,105	1,389

Statements for the Year Ended December 31, 1963

Perth 5,667	Peterborough 51,257	Petrolia 3,744	Pickering 1,816	Picton 5,035	Plattsville 485	Point Edward 2,894	Port Arthur 45,098	Port Burwell 742
$	$	$	$	$	$	$	$	$
553,286	7,181,430	410,986	135,896	505,058	53,687	305,261	6,187,393	91,375
179,385	*2,091,863*	*128,818*	*27,870*	*160,195*	*6,632*	*77,552*	*1,933,083*	*35,509*
373,901	5,089,567	282,168	108,026	344,863	47,055	227,709	4,254,310	55,866
5,494	22,601	23,484	11,243	24,038	5,949	24,505	379,516	4,653
10,000	.....	15 000	.....	2,000	4,500	5,000	99,208	.....
4,784	182,670	10,800	5,674	3,293	322	4,323	322,071	554
20,278	205,271	49,284	16,917	29,331	10,771	33,828	800,795	5,207
12,860	62,659	20,709	210	15,980	26	242	171,894	151
.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	16,064	181	2,773	450	.....	599	4,861	1,153
12,860	78,723	20,890	2,983	16,430	26	841	176,755	1,304
445,862	3,188,055	390,011	17,230	388,410	60,059	435,986	9,972,753	23,408
852,901	**8,561,616**	**742,353**	**145,156**	**779,034**	**117,911**	**698,364**	**15,204,613**	**85,785**
.....	898,700	.....	64,000	7,113	.....	.....	319,000	27,500
637	450,578	6,803	4,321	3,978	247	5,889	316,371	1,017
136	9,375	5,249	1,568	14,573	.....	2,190	.....	3,599
773	1,358,653	12,052	69,889	25,664	247	8,079	635,371	32,116
445,862	3,188,055	390,011	17,230	388,410	60,059	435,986	9,972,753	23,408
.....	2,334	.....	.....	.....	.....	.....	102,175	.....
445,862	3,190,389	390,011	17,230	388,410	60,059	435,986	10,074,928	23,408
85,045	1,010,911	50,000	9,433	56,069	5,237	17,000	657,317	12,500
.....	.....	.....	.....	.....	.....	.....	.....	.....
311,286	2,959,863	290,290	48,384	308,891	52,368	237,299	3,761,957	17,761
9,935	41,800	.....	220	.....	.....	.....	75,040	.....
406,266	4,012,574	340,290	58,037	364,960	57,605	254,299	4,494,314	30,261
852,901	**8,561,616**	**742,353**	**145,156**	**779,034**	**117,911**	**698,364**	**15,204,613**	**85,785**
246,267	2,366,248	164,337	62,671	224,306	36,224	253,300	2,371,366	31,419
5,282	45,889	2,244	1,821	2,359	256	3,279	77,866	119
251,549	**2,412,137**	**166,581**	**64,492**	**226,665**	**36,480**	**256,579**	**2,449,232**	**31,538**
173,921	1,571,607	82,936	36,221	156,598	27,766	203,430	1,562,901	12,202
.....	.....	.....	.....	.....	.....	.....	14,133	.....
17,305	278,456	27,330	4,725	17,717	1,245	8,467	201,629	7,480
20,693	214,795	25,802	5,580	17,545	937	24,666	167,004	3,818
.....	107,972	.....	6,685	7,397	.....	39	35,263	2,942
14,108	172,479	10,622	3,527	14,263	1,468	8,130	148,249	2,908
.....	.....	.....	.....	.....	.....	.....	.....	.....
226,027	**2,345,309**	**146,690**	**56,738**	**213,520**	**31,416**	**244,732**	**2,129,179**	**29,350**
25,522	**66,828**	**19,891**	**7,754**	**13,145**	**5,064**	**11,847**	**320,053**	**2,188**
2,090	15,385	1,334	535	1,894	197	849	14,390	476

Municipal Electrical Utilities Financial

Municipality	Port Colborne	Port Credit	Port Dover	Port Elgin	Port Hope	Port McNicoll
Population	17,403	7,147	3,182	1,921	8,154	1,148
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	1,232,225	853,004	338,314	251,655	927,889	109,153
Accumulated depreciation	*196,911*	*162,698*	*100,750*	*51,147*	*273,407*	*21,519*
Net fixed assets	1,035,314	690,306	237,564	200,508	654,482	87,634
CURRENT ASSETS						
Cash on hand and in bank	61,341	48,308	22,140	7,476	98,948	7,295
Investment in government securities	10,000	13,500	.....	1,500	.....	26,000
Accounts receivable (Net)	3,748	13,069	2,641	3,277	3,178	6,900
Total current assets	75,089	74,877	24,781	12,253	102,126	40,195
OTHER ASSETS						
Inventory of stores	15,846	9,723	271	2,874	32,352	1,760
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	11,419	2,597	.....	.....	100	.....
Total other assets	27,265	12,320	271	2,874	32,452	1,760
Equity in Ontario Hydro Systems	699,579	535,443	191,806	130,600	663,275	80,403
Total	**1,837,247**	**1,312,946**	**454,422**	**346,235**	**1,452,335**	**209,992**
LIABILITIES						
Debentures outstanding	82,299	31,800	60,392	.....	39,500	.....
Accounts payable	7,072	7,372	1,904	1,481	599	322
Other	19,538	8,664	9,670	.....	42,676	352
Total liabilities	108,909	47,836	71,966	1,481	82,775	674
RESERVES						
Equity in Ontario Hydro Systems	699,579	535,443	191,806	130,600	663,275	80,403
Other	.....	.....	.....	.....	.....	.....
Total reserves	699,579	535,443	191,806	130,600	663,275	80,403
CAPITAL						
Debentures redeemed	260,701	105,495	48,136	37,787	204,500	9,804
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	768,058	618,085	142,514	176,367	501,785	119,111
Contributed capital	.....	6,087	.....	.....	.....	.....
Total capital	1,028,759	729,667	190,650	214,154	706,285	128,915
Total	**1,837,247**	**1,312,946**	**454,422**	**346,235**	**1,452,335**	**209,992**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	536,369	730,978	159,721	112,318	433,879	57,720
Other	3,701	13,690	910	1,923	5,952	2,129
Total revenue	**540,070**	**744,668**	**160,631**	**114,241**	**439,831**	**59,849**
EXPENSE						
Power purchased	324,668	590,870	102,473	65,008	274,278	41,867
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	56,029	22,583	23,250	16,662	42,690	4,946
Administration	55,764	39,373	11,833	13,313	48,608	4,785
Fixed charges—interest and principal	15,902	3,186	6,968	.....	18,294	.....
—depreciation	28,740	19,210	9,750	5,638	22,642	2,784
—other	.....	.....	.....	.....	.....	.....
Total expense	**481,103**	**675,222**	**154,274**	**100,621**	**406,512**	**54,382**
Net income or *net expense*	**58,967**	**69,446**	**6,357**	**13,620**	**33,319**	**5,467**
Number of customers	4,650	2,872	1,589	1,150	2,864	533

Statements for the Year Ended December 31, 1963

Port Perry	Port Rowan	Port Stanley	Prescott	Preston	Priceville	Princeton	Queenston	Rainy River
2,353	834	1,436	5,151	12,060	137	442	512	1,133
$	$	$	$	$	$	$	$	$
170,532	80,058	200,187	377,486	1,486,806	16,944	36,595	45,394	100,189
36 474	*17,888*	*81,884*	*126,162*	*357,057*	*7,207*	*9,394*	*10,140*	*52,484*
134,058	62,170	118,303	251,324	1,129,749	9,737	27,201	35,254	47,705
9,492	3,998	11,599	12,492	44,357	4,555	5,284	5,122	21,880
7,000	.....	9,000	20,000	.....	5,500	3,000	10,000	19,746
5,664	1,166	4,756	4,903	5,000	98	317	2,119	3,040
22,156	5,164	25,355	37,395	49,357	10,153	8,601	17,241	44,666
530	41	224	10,198	38,850	.....	.....	.....	1,546
.....	.....	.....	.....	.....	.....	.....	.....	.....
1,208	.....	.....	.....	2,059	.....	.....	.....	.....
1,738	41	224	10,198	40,909	.....	.....	.....	1,546
125,730	39,718	188,749	335,431	1,168,583	5,585	44,402	38,421	2,718
283,682	**107,093**	**332,631**	**634,348**	**2,388,598**	**25,475**	**80,204**	**90,916**	**96,635**
.....	.....	.....	.....	146,200	2,350	1,250	.....	.....
12,542	8,025	79	299	10,627	.....	.....	136	45
2,234	336	870	4,247	54,620	80	576	225	475
14,776	8,361	949	4,546	211,447	2,430	1,826	361	520
125,730	39,718	188,749	335,431	1,168,583	5,585	44,402	38,421	2,718
.....	.....	.....	.....	.....	.....	.....	.....	.....
125,730	39,718	188,749	335,431	1,168,583	5,585	44,402	38,421	2,718
19,881	11,000	18,950	23,981	330,083	9,816	4,745	9,500	26,087
.....	.....	.....	.....	.....	.....	.....	.....	.....
123,295	48,014	123,983	259,437	678,485	7,644	29,231	42,401	67,310
.....	.....	.....	10,953	.....	.....	.....	233	.....
143,176	59,014	142,933	294,371	1,008,568	17,460	33,976	52,134	93,397
283,682	**107,093**	**332,631**	**634,348**	**2,388,598**	**25,475**	**80,204**	**90,916**	**96,635**
82,356	22,105	79,031	184,373	559,704	4,272	17,015	19,330	52,848
1,362	420	1,204	5,319	8,858	305	252	634	1,231
83,718	**22,525**	**80,235**	**189,692**	**568,562**	**4,577**	**17,267**	**19,964**	**54,079**
62,936	14,332	46,969	137,654	345,662	2,094	12,169	14,397	23,402
.....	.....	.....	.....	.....	.....	.....	.....	.....
6,596	4,415	14,039	14,256	69,092	174	616	1,180	10,010
10,411	2,050	12,526	18,916	40,831	432	1,374	1,246	8,798
.....	.....	.....	.....	30,213	423	325	.....	.....
4,803	2,113	6,396	10,731	37,600	602	1,111	1,321	3,422
.....	.....	.....	.....	.....	.....	.....	.....	.....
84,746	**22,910**	**79,930**	**181,557**	**523,398**	**3,725**	**15,595**	**18,144**	**45,632**
1,028	***385***	**305**	**8,135**	**45,164**	**852**	**1,672**	**1,820**	**8,447**
871	337	1,175	1,762	3,811	67	171	173	429

Municipal Electrical Utilities Financial

Municipality	Red Rock	Renfrew	Richmond	Richmond Hill	Ridgetown	Ripley
Population	1,861	8,485	1,268	18,606	2,690	450
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	107,689	1,581,692	107,956	1,467,834	226,072	52,088
Accumulated depreciation	*32,541*	*372,954*	*14,628*	*257,622*	*44,437*	*7,838*
Net fixed assets	75,148	1,208,738	93,328	1,210,212	181,635	44,250
CURRENT ASSETS						
Cash on hand and in bank	8,496	8,459	15,003	82,043	7,562	2,583
Investment in government securities	16,424	.....	.....	.....	15,044	8,000
Accounts receivable (Net)	464	17,752	2,340	36,397	5,588	135
Total current assets	25,384	26,211	17,343	118,440	28,194	10,718
OTHER ASSETS						
Inventory of stores	1,738	15,886	.....	22,545	61	227
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	1,833	.....	.....	11,687	3,356	.....
Total other assets	3,571	15,886	.....	34,232	3,417	227
Equity in Ontario Hydro Systems	49,526	196,751	34,339	388,501	197,727	43,908
Total	**153,629**	**1,447,586**	**145,010**	**1,751,385**	**410,973**	**99,103**
LIABILITIES						
Debentures outstanding	7,800	142,847	19,600	561,071	38,075	.....
Accounts payable	258	715	17	12,812	2,030	190
Other	220	10,333	515	46,571	7,037	443
Total liabilities	8,278	153,895	20,132	620,454	47,142	633
RESERVES						
Equity in Ontario Hydro Systems	49,526	196,751	34,339	388,501	197,727	43,908
Other	.....	.....	214	.....	.....	.....
Total reserves	49,526	196,751	34,553	388,501	197,727	43,908
CAPITAL						
Debentures redeemed	23,400	628,390	15,287	157,151	43,381	12,745
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	72,425	468,550	72,738	577,277	122,723	41,817
Contributed capital	.....	.....	2,300	8,002	.....	.....
Total capital	95,825	1,096,940	90,325	742,430	166,104	54,562
Total	**153,629**	**1,447,586**	**145,010**	**1,751,385**	**410,973**	**99,103**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	42,162	330,121	45,533	700,594	109,907	18,965
Other	1,148	2,978	1,053	22,502	3,199	670
Total revenue	**43,310**	**333,099**	**46,586**	**723,096**	**113,106**	**19,635**
EXPENSE						
Power purchased	32,496	163,934	27,248	429,632	67,306	13,975
Local generation	.....	24,861	.....	.....	.....	.....
Operation and maintenance	2,089	22,892	1,422	49,368	9,438	1,949
Administration	4,339	32,320	2,004	53,129	13,985	1,566
Fixed charges—interest and principal	2,291	19,790	2,108	61,052	5,200	.....
—depreciation	3,202	33,982	2,849	32,773	6,137	1,373
—other	.....	.....	.....	.....	.....	.....
Total expense	**44,417**	**297,779**	**35,631**	**625,954**	**102,066**	**18,863**
Net income or *net expense*	***1,107***	**35,320**	**10,955**	**97,142**	**11,040**	**772**
Number of customers	350	2,764	369	5,297	1,093	212

Statements for the Year Ended December 31, 1963

Riverside	Rockland	Rockwood	Rodney	Rosseau	Russell	St. Catharines	St. Clair Beach	St. George
18,836	3,470	823	1,049	233	571	85,732	1,521	716
$	$	$	$	$	$	$	$	$
978,048	162,111	57,200	72,324	27,826	55,389	9,007,370	111,267	59,386
297,038	*26,709*	*10,613*	*27,629*	*6,941*	*10,773*	*1,776,777*	*31,546*	*9,763*
681,010	135,402	46,587	44,695	20,885	44,616	7,230,593	79,721	49,623
53,929	3,684	5,721	3,220	4,309	1,175	244,289	16,577	2,975
.....	.....	1,500	1,200	2,500	5,000	.....	.....	6,000
33,598	4,055	329	471	183	2,120	466,422	514	765
87,527	7,739	7,550	4,891	6,992	8,295	710,711	17,091	9,740
28,469	75	.....	99	.....	.....	166,582	14	90
.....	.....	.....	.....	.....	.....	.....	.....	.....
5,474	1,251	.....	.....	52	10	8,222	65	.....
33,943	1,326	.....	99	52	10	174,804	79	90
567,389	33,063	54,026	69,405	18,347	31,694	6,905,804	48,800	63,844
1,369,869	**177,530**	**108,163**	**119,090**	**46,276**	**84,615**	**15,021,912**	**145,691**	**123,297**
29,400	16,000	5,525	.....	.....	.....	16,500	1,400	.....
1,629	21,368	40[illegible]	137	1,930	192	908,960	611	51
19,615	3,670	569	660	43	52	77,525	1,160	756
50,644	41,038	6,495	797	1,973	244	1,002,985	3,171	807
567,389	33,063	54,026	69,405	18,347	31,694	6,905,804	48,800	63,844
.....	.....	.....	.....	.....	.....	.....	.....	.....
567,389	33,063	54,026	69,405	18,347	31,694	6,905,804	48,800	63,844
166,000	9,000	6,804	8,500	11,933	8,808	387,209	16,359	6,000
.....	.....	.....	.....	.....	.....	.....	.....	.....
585,836	94,429	40,838	40,388	14,023	43,869	6,602,749	72,735	52,449
.....	.....	.....	.....	.....	.....	123,165	4,626	197
751,836	103,429	47,642	48,888	25,956	52,677	7,113,123	93,720	58,646
1,369,869	**177,530**	**108,163**	**119,090**	**46,276**	**84,615**	**15,021,912**	**145,691**	**123,297**
476,277	70,209	28,509	41,656	8,931	18,294	5,132,529	42,218	29,118
8,375	224	219	501	176	294	58,709	483	576
484,652	**70,433**	**28,728**	**42,157**	**9,107**	**18,588**	**5,191,238**	**42,701**	**29,694**
292,438	48,348	16,858	23,745	5,570	12,398	3,543,540	27,015	21,495
.....	.....	.....	.....	.....	.....	.....	.....	.....
53,425	6,006	1,301	9,275	1,174	1,238	358,806	3,550	1,819
57,907	4,426	2,884	4,705	803	1,710	268,745	5,534	2,233
10,318	1,743	589	.....	.....	.....	42,442	1,505	.....
25,265	3,682	1,673	2,328	845	1,543	211,585	3,492	1,513
.....	.....	.....	.....	.....	.....	.....	.....	.....
439,353	**64,205**	**23,305**	**40,053**	**8,392**	**16,889**	**4,425,118**	**41,096**	**27,060**
45,299	**6,228**	**5,423**	**2,104**	**715**	**1,699**	**766,120**	**1,605**	**2,634**
5,698	803	307	445	126	213	26,965	432	291

Municipal Electrical Utilities Financial

Municipality	St. Jacobs	St. Mary's	St. Thomas	Sandwich East Twp.	Sandwich West Twp.	Sarnia
Population	722	4,646	22,456	22,070	30,149	50,607
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	62,335	632,945	2,437,495	1,600,831	2,488,224	6,056,394
Accumulated depreciation	*14,379*	*162,295*	*696,236*	*445,141*	*581,533*	*1,537,530*
Net fixed assets	47,956	470,650	1,741,259	1,155,690	1,906,691	4,518,864
CURRENT ASSETS						
Cash on hand and in bank	4,696	80,796	53,107	190,545	196,693	317,455
Investment in government securities	5,000	42,500	35,000	30,808	.....	.....
Accounts receivable (Net)	1,409	2,010	83,346	46,834	50,692	120,579
Total current assets	11,105	125,306	171,453	268,187	247,385	438,034
OTHER ASSETS						
Inventory of stores	.....	21,899	72,767	56,610	31,283	166,636
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	.....	2,275	37,394	60,601	51,281
Total other assets	.....	21,899	75,042	94,004	91,884	217,917
Equity in Ontario Hydro Systems	82,430	679,865	2,157,241	298,058	546,523	5,653,182
Total	**141,491**	**1,297,720**	**4,144,995**	**1,815,939**	**2,792,483**	**10,827,997**
LIABILITIES						
Debentures outstanding	.....	30,564	188,000	800,000	952,600	592,000
Accounts payable	37	6	752	4,014	15,023	107,087
Other	.....	7,072	60,773	43,257	101,253	183,479
Total liabilities	37	37,642	249,525	847,271	1,068,876	882,566
RESERVES						
Equity in Ontario Hydro Systems	82,430	679,865	2,157,241	298,058	546,523	5,653,182
Other	.....	.....	.....	.....	.....	.....
Total reserves	82,430	679,865	2,157,241	298,058	546,523	5,653,182
CAPITAL						
Debentures redeemed	6,000	159,643	150,838	238,315	342,900	709,391
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	53,024	418,663	1,587,391	390,895	834,184	3,515,596
Contributed capital	.....	1,907	.....	41,400	.....	67,262
Total capital	59,024	580,213	1,738,229	670,610	1,177,084	4,292,249
Total	**141,491**	**1,297,720**	**4,144,995**	**1,815,939**	**2,792,483**	**10,827,997**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	33,861	605,889	1,082,095	667,595	1,041,144	7,561,572
Other	203	7,594	14,288	11,557	15,906	58,085
Total revenue	**34,064**	**613,483**	**1,096,383**	**679,152**	**1,057,050**	**7,619,657**
EXPENSE						
Power purchased	25,513	519,538	625,323	303,235	580,505	6,435,546
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	889	25,726	164,490	84,331	153,033	400,205
Administration	1,918	23,257	87,363	105,892	84,447	281,456
Fixed charges—interest and principal	.....	5,284	16,643	86,154	108,337	65,852
—depreciation	1,800	15,859	62,572	41,554	63,403	144,283
—other	.....	.....	.....	.....	.....	.....
Total expense	**30,120**	**589,664**	**956,391**	**621,166**	**989,725**	**7,327,342**
Net income or *net expense*	**3,944**	**23,819**	**139,992**	**57,986**	**67,325**	**292,315**
Number of customers	262	1,719	8,098	6,313	8,302	15,666

Statements for the Year Ended December 31, 1963

Scarborough Twp. 240,371	Schreiber Twp. 2,177	Seaforth 2,332	Shelburne 1,314	Simcoe 9,866	Sioux Lookout 2,665	Smith's Falls 9,655	Smithville 902	Southampton 1,814
$	$	$	$	$	$	$	$	$
24,168,451	169,089	309,302	137,621	846,043	258,637	915,086	88,469	226,993
4,128,673	*41,587*	*54,324*	*45,690*	*232,921*	*50,291*	*269,851*	*18,684*	*48,775*
20,039,778	127,502	254,978	91,931	613,122	208,346	645,235	69,785	178,218
1,054,730	1,489	4,728	12,830	47,419	28,844	30,188	3,323	24,861
326,000	25,000	9,000	14,000	.....	5,000	20,000	3,000	10,108
468,822	3,502	17,908	1,011	3,582	3,686	6,863	1,102	1,195
1,849,552	29,991	31,636	27,841	51,001	37,530	57,051	7,425	36,164
207,519	732	863	190	1,031	8,280	24,706	.....	7,700
1,303,660	.....	.....	.....	.....	.....	.....	.....	.....
216,472	.....	1,128	205	66,456	.....	113	.....	.....
1,727,651	732	1,991	395	67,487	8,280	24,819	.....	7,700
5,610,128	64,818	240,150	110,289	706,204	8,652	706,130	45,598	124,115
29,227,109	**223,043**	**528,755**	**230,456**	**1,437,814**	**262,808**	**1,433,235**	**122,808**	**346,197**
9,383,251	.....	19,700	.....	.....	.....	.....	.....	2,840
842,017	86	23,020	106	.....	540	.....	252	14
780,914	.....	3,168	221	11,974	3,828	.....	308	2,232
11,006,182	86	45,888	327	11,974	4,368	.....	560	5,086
5,610,128	64,818	240,150	110,289	706,204	8,652	706,130	45,598	124,115
.....	.....	.....	.....	.....	.....	.....	.....	.....
5,610,128	64,818	240,150	110,289	706,204	8,652	706,130	45,598	124,115
2,549,759	50,000	54,740	16,991	75,435	.....	147,662	15,000	39,683
1,303,660	.....	.....	.....	.....	.....	.....	.....	.....
8,461,811	108,139	187,477	102,849	643,608	249,788	579,443	61,650	177,313
295,569	.....	500	.....	593	.....	.....	.....	.....
12,610,799	158,139	242,717	119,840	719,636	249,788	727,105	76,650	216,996
29,227,109	**223,043**	**528,755**	**230,456**	**1,437,814**	**262,808**	**1,433,235**	**122,808**	**346,197**
9,732,401	73,111	105,454	58,860	445,113	141,879	480,334	46,085	102,229
387,002	1,526	2,130	726	9,694	1,325	2,455	1,354	3,471
10,119,403	**74,637**	**107,584**	**59,586**	**454,807**	**143,204**	**482,789**	**47,439**	**105,700**
6,362,748	53,238	63,462	38,550	330,602	73,674	317,352	28,552	61,105
.....	.....	.....	.....	.....	.....	.....	.....	.....
576,766	6,937	8,695	2,939	38,183	21,162	38,470	6,854	15,774
569,545	9,143	11,080	5,902	25,219	24,751	33,137	6,253	7,686
950,635	.....	3,172	.....	.....	.....	1,851	.....	1,516
558,158	4,611	6,834	4,349	21,702	6,579	24,954	2,178	5,141
.....	.....	.....	.....	.....	.....	.....	.....	.....
9,017,852	**73,929**	**93,243**	**51,740**	**415,706**	**126,166**	**415,764**	**43,837**	**91,222**
1,101,551	**708**	**14,341**	**7,846**	**39,101**	**17,038**	**67,025**	**3,602**	**14,478**
70,770	681	918	596	3,341	957	3,470	380	1,266

Municipal Electrical Utilities Financial

Municipality	South River	Springfield	Stayner	Stirling	Stoney Creek	Stouffville
Population	985	503	1,746	1,344	6,726	3,457
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	139,038	44,694	156,507	153,653	419,399	300,635
Accumulated depreciation	*45,280*	*16,288*	*29,110*	*38,362*	*81,844*	*53,518*
Net fixed assets	93,758	28,406	127,397	115,291	337,555	247,117
CURRENT ASSETS						
Cash on hand and in bank	7,518	3,806	2,336	3,398	26,487	26,894
Investment in government securities	.....	500	1,000	.....	.....	.....
Accounts receivable (Net)	2,951	239	1,222	583	5,725	6,337
Total current assets	10,469	4,545	4,558	3,981	32,212	33,231
OTHER ASSETS						
Inventory of stores	212	.....	478	1,159	12	199
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	7,981	.....	22	.....	428	2,084
Total other assets	8,193	.....	500	1,159	440	2,283
Equity in Ontario Hydro Systems	2,467	37,935	99,189	76,760	150,058	151,415
Total	**114,887**	**70,886**	**231,644**	**197,191**	**520,265**	**434,046**
LIABILITIES						
Debentures outstanding	85,000	.....	.....	4,726	32,907	57,811
Accounts payable	2,262	902	1,286	243	1,815	871
Other	5,665	395	998	1,376	9,142	3,130
Total liabilities	92,927	1,297	2,284	6,345	43,864	61,812
RESERVES						
Equity in Ontario Hydro Systems	2,467	37,935	99,189	76,760	150,058	151,415
Other	.....	.....	.....	.....	.....	.....
Total reserves	2,467	37,935	99,189	76,760	150,058	151,415
CAPITAL						
Debentures redeemed	5,000	9,500	9,557	18,274	45,553	26,230
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	14,493	22,154	120,614	95,812	277,809	184,290
Contributed capital	.....	.....	.....	.....	2,981	10,299
Total capital	19,493	31,654	130,171	114,086	326,343	220,819
Total	**114,887**	**70,886**	**231,644**	**197,191**	**520,265**	**434,046**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	45,016	12,821	60,189	57,008	224,080	156,621
Other	8	129	1,681	970	5,562	4,872
Total revenue	**45,024**	**12,950**	**61,870**	**57,978**	**229,642**	**161,493**
EXPENSE						
Power purchased	16,204	9,630	40,811	36,460	167,042	93,549
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	2,343	2,134	5,016	6,107	22,442	8,836
Administration	5,803	1,118	4,431	5,904	26,823	13,204
Fixed charges—interest and principal	7,984	.....	.....	692	6,522	5,947
—depreciation	3,475	1,492	3,953	4,114	10,148	6,763
—other	.....	.....	.....	.....	.....	.....
Total expense	**35,809**	**14,374**	**54,211**	**53,277**	**232,977**	**128,299**
Net income or *net expense*	**9,215**	***1,424***	**7,659**	**4,701**	***3,335***	**33,194**
Number of customers	333	185	695	545	2,118	1,196

Statements for the Year Ended December 31, 1963

Stratford	Strathroy	Streetsville	Sturgeon Falls	Sudbury	Sunderland	Sundridge	Sutton	Swansea
21,190	5,295	5,340	6,651	79,987	593	796	1,413	9,371
$	$	$	$	$	$	$	$	$
2,882,490	614,673	412,247	427,281	7,336,985	52,644	79,972	167,874	798,811
522,796	*198,537*	*77,446*	*84,888*	*1,657,748*	*12.986*	*13.479*	*50,280*	*249,689*
2,359,694	416,136	334,801	342,393	5,679,237	39,658	66,493	117,594	549,122
25,929	34,374	78,593	11,315	601,105	10,972	8,669	2,557	175,905
175,000	.....	.....	.....	75,000	2,000	19,000	7,000	.....
36,058	5,244	5,859	8,385	260,748	447	659	3,673	4,401
236,987	39,618	84,452	19,700	936,853	13,419	28,328	13,230	180,306
159,432	1,597	236	.....	120,038	60	146	.....	14,086
.....	.....	.....	.....	.....	.....	.....	.....	.....
26,419	2,223	760	4,891	32,760	99	1,982	1,092	1,451
185,851	3,820	996	4,891	152,798	159	2,128	1,092	15,537
2,428,206	430,047	141,773	28,771	344,503	45,237	16,254	119,321	619,442
5,210,738	**889,621**	**562,022**	**395,755**	**7,113,391**	**98,473**	**113,203**	**251,237**	**1,364,407**
564,000	77,500	93,935	119,000	1,667,200	.....	19,962	.....	37,917
164,509	22,074	3,255	17,286	48,072	1	3,252	3,566	1,312
53,944	7,848	12,006	28,130	146,297	100	86	1,256	16,756
782,453	107,422	109,196	164,416	1,861,569	101	23,300	4,822	55,985
2,428,206	430,047	141,773	28,771	344,503	45,237	16,254	119,321	619,442
.....	.....	869	.....	3,263	.....	.....	.....	.....
2,428,206	430,047	142,642	28,771	347,766	45,237	16,254	119,321	619,442
486,800	66,049	59,322	36,000	1,068,583	4,628	15,038	26,000	210,277
.....	.....	.....	.....	.....	.....	.....	.....	.....
1,502,378	284,347	234,483	166,568	3,835,473	48,507	58,611	100,801	478,253
10,901	1,756	16,379	.....	.....	.....	.....	293	450
2,000,079	352,152	310,184	202,568	4,904,056	53,135	73,649	127,094	688,980
5,210,738	**889,621**	**562,022**	**395,755**	**7,113,391**	**98,473**	**113,203**	**251,237**	**1,364,407**
1,111,992	278,867	220,314	191,342	2,992,606	23,200	30,291	81,099	401,333
40,890	782	3,485	3,468	169,189	275	1,041	682	26,248
1,152,882	**279,649**	**223,799**	**194,810**	**3,161,795**	**23,475**	**31,332**	**81,781**	**427,581**
656,472	177,890	139,366	110,450	1,595,306	15,942	17,047	52,583	258,420
.....	.....	.....	.....	.....	.....	.....	.....	.....
155,794	24,383	11,605	18,572	420,652	1,205	3,304	8,407	56,419
97,600	29,262	17,708	27,591	341,036	1,994	2,821	9,532	40,281
46,579	8,486	10,155	12,107	148,577	.....	2,808	.....	13,728
58,739	16,042	10,850	10,048	159,183	1,526	1,960	5,017	19,817
.....	.....	.....	.....	.....	.....	.....	.....	.....
1,015,184	**256,063**	**189,684**	**178,768**	**2,664,754**	**20,667**	**27,940**	**75,539**	**388,665**
137,698	**23,586**	**34,115**	**16,042**	**497,041**	**2,808**	**3,392**	**6,242**	**38,916**
7,368	1,906	1,544	1,697	24,318	266	298	906	3,627

Municipal Electrical Utilities Financial

Municipality	Tara	Tavistock	Tecumseh	Teeswater	Terrace Bay Twp.	Thamesford
Population	503	1,190	4,458	935	1,946	1,222
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	51,960	146,756	265,505	100,800	275,957	103,064
Accumulated depreciation	*13,292*	*62,578*	*97,280*	*18,371*	*43,774*	*24,239*
Net fixed assets	38,668	84,178	168,225	82,429	232,183	78,825
CURRENT ASSETS						
Cash on hand and in bank	3,663	34,015	25,538	3,991	8,007	9,793
Investment in government securities	8,000	.....	.....	3,500	.....	.....
Accounts receivable (Net)	75	656	8,294	100	1,117	150
Total current assets	11,738	34,671	33,832	7,591	9,124	9,943
OTHER ASSETS						
Inventory of stores	310	321	14,190	100	.....	.....
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	427	224	.....	.....	359	69
Total other assets	737	545	14,190	100	359	69
Equity in Ontario Hydro Systems	48,069	186,347	162,173	73,832	98,016	83,105
Total	**99,212**	**305,741**	**378,420**	**163,952**	**339,682**	**171,942**
LIABILITIES						
Debentures outstanding	.....	16,873	.....	.....	27,300	1,600
Accounts payable	37	362	619	.....	367	970
Other	75	1,187	2,715	99	.....	837
Total liabilities	112	18,422	3,334	99	27,667	3,407
RESERVES						
Equity in Ontario Hydro Systems	48,069	186,347	162,173	73,832	98,016	83,105
Other	.....	.....	.....	.....	.....	.....
Total reserves	48,069	186,347	162,173	73,832	98,016	83,105
CAPITAL						
Debentures redeemed	14,264	18,412	26,000	21,296	50,700	6,758
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	36,767	82,560	184,073	68,725	163,299	78,672
Contributed capital	.....	.....	2,840	.....	.....	.....
Total capital	51,031	100,972	212,913	90,021	213,999	85,430
Total	**99,212**	**305,741**	**378,420**	**163,952**	**339,682**	**171,942**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	27,229	57,308	113,190	42,304	84,078	57,172
Other	385	2,877	1,254	309	4,064	1,546
Total revenue	**27,614**	**60,185**	**114,444**	**42,613**	**88,142**	**58,718**
EXPENSE						
Power purchased	19,977	34,873	61,805	33,346	55,057	40,244
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	1,700	6,442	21,310	1,438	3,975	3,856
Administration	1,665	4,820	17,297	2,554	7,361	3,690
Fixed charges—interest and principal	.....	2,261	.....	.....	5,852	263
—depreciation	1,510	3,717	8,074	2,752	6,889	2,593
—other	.....	.....	.....	.....	.....	.....
Total expense	**24,852**	**52,113**	**108,486**	**40,090**	**79,134**	**50,646**
Net income or *net expense*	**2,762**	**8,072**	**5,958**	**2,523**	**9,008**	**8,072**
Number of customers	238	519	1,359	371	454	421

Statements for the Year Ended December 31, 1963

Thamesville	Thedford	Thessalon	Thornbury	Thorndale	Thornton	Thorold	Tilbury
981	663	1,707	1,139	406	323	8,679	3,107
$	$	$	$	$	$	$	$
116,456	65,638	154,322	182,189	37,714	23,335	702,310	266,785
38,084	*14,898*	*31,311*	*23,745*	*14,308*	*9,795*	*160,200*	*99,111*
78,372	50,740	123,011	158,444	23,406	13,540	542,110	167,674
5,141	5,763	4,471	9,164	6,505	2,719	47,959	13,897
14,834	3,000	.....	.....	3,000	.....	.....	10,000
561	864	1,445	6,672	526	454	1,130	6,150
20,536	9,627	5,916	15,836	10,031	3,173	49,089	30,047
188	14	.....	3,858	.....	.....	17,340	593
.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	3,413	286	58	.....	4,016	540
188	14	3,413	4,144	58	.....	21,356	1,133
91,882	56,069	8,854	38,612	35,604	16,577	890,772	259,394
190,978	**116,450**	**141,194**	**217,036**	**69,099**	**33,290**	**1,503,327**	**458,248**
.....	.....	45,500	17,260	.....	.....	75,427	31,000
969	730	240	1,290	304	64	1,334	310
1,405	367	3,191	265	63	62	9,695	6,177
2,374	1,097	48,931	18,815	367	126	86,456	37,487
91,882	56,069	8,854	38,612	35,604	16,577	890,772	259,394
.....	.....	.....	.....	.....	.....	.....	.....
91,882	56,069	8,854	38,612	35,604	16,577	890,772	259,394
11,188	16,500	19,500	68,740	3,086	7,200	54,573	33,000
.....	.....	.....	.....	.....	.....	.....	.....
85,534	42,227	63,909	88,637	30,042	9,387	471,526	128,367
.....	557	.....	2,232	.....	.....	.....	.....
96,722	59,284	83,409	159,609	33,128	16,587	526,099	161,367
190,978	**116,450**	**141,194**	**217,036**	**69,099**	**33,290**	**1,503,327**	**458,248**
52,706	32,044	69,952	80,074	14,211	8,239	759,790	108,727
1,321	201	57	939	406	.....	1,206	2,249
54,027	**32,245**	**70,009**	**81,013**	**14,617**	**8,239**	**760,996**	**110,976**
37,631	22,890	30,481	44,523	9,468	5,442	600,908	65,411
.....	.....	.....	.....	.....	.....	.....	.....
5,552	2,154	5,269	9,684	1,529	233	49,507	12,427
5,986	2,551	12,627	6,002	1,953	633	37,057	17,128
.....	.....	5,152	2,851	.....	.....	9,446	4,804
3,359	1,840	4,136	4,055	1,221	843	17,200	7,736
.....	.....	.....	.....	.....	.....	.....	.....
52,528	**29,435**	**57,665**	**67,115**	**14,171**	**7,151**	**714,118**	**107,506**
1,499	**2,810**	**12,344**	**13,898**	**446**	**1,088**	**46,878**	**3,470**
437	321	548	576	139	106	2,593	1,053

Municipal Electrical Utilities Financial

Municipality	Tillsonburg	Toronto	Toronto Twp.	Tottenham	Trenton	Tweed
Population	6,790	648,792	70,859	797	13,823	1,752
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	894,702	103,450,611	8,309,580	49,501	1,518,414	176,158
Accumulated depreciation	*160,599*	*28,815,956*	*1,269,735*	*15,870*	*425,125*	*35,843*
Net fixed assets	734,103	74,634,655	7,039,845	33,631	1,093,289	140,315
CURRENT ASSETS						
Cash on hand and in bank	30,118	125,525	562,465	7,471	17,475	.....
Investment in government securities	.....	7,025,754	8,000	10,500	15,000	11,000
Accounts receivable (Net)	5,036	4,339,666	370,229	1,107	16,483	964
Total current assets	35,154	11,490,945	940,694	19,078	48,958	11,964
OTHER ASSETS						
Inventory of stores	19,483	2,342,881	226,642	.....	29,766	.....
Sinking fund on local debentures	.....	1,539,377	.....	.....	.....	.....
Miscellaneous	4,614	1,178,950	78,069	41	3,792	542
Total other assets	24,097	5,061,208	304,711	41	33,558	542
Equity in Ontario Hydro Systems	471,218	92,523,980	2,443,275	55,082	1,042,265	96,258
Total	**1,264,572**	**183,710,788**	**10,728,525**	**107,832**	**2,218,070**	**249,079**
LIABILITIES						
Debentures outstanding	57,500	12,622,050	849,588	.....	.....	.....
Accounts payable	9,525	2,283,805	131,351	.....	12,172	13,835
Other	22,964	627,399	204,373	828	15,469	674
Total liabilities	89,989	15,533,254	1,185,312	828	27,641	14,509
RESERVES						
Equity in Ontario Hydro Systems	471,218	92,523,980	2,443,275	55,082	1,042,265	96,258
Other	.....	450,000	.....	.....	.....	.....
Total reserves	471,218	92,973,980	2,443,275	55,082	1,042,265	96,258
CAPITAL						
Debentures redeemed	151,209	32,305,934	741,154	21,435	164,587	19,000
Local sinking fund	.....	1,539,377	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	552,156	39,590,293	4,958,001	30,487	981,614	119,312
Contributed capital	.....	1,767,950	1,400,783	.....	1,963	.....
Total capital	703,365	75,203,554	7,099,938	51,922	1,148,164	138,312
Total	**1,264,572**	**183,710,788**	**10,728,525**	**107,832**	**2,218,070**	**249,079**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	373,609	40,698,054	3,868,697	24,366	775,961	63,764
Other	6,091	773,965	56,738	655	19,590	2,663
Total revenue	**379,700**	**41,472,019**	**3,925,435**	**25,021**	**795,551**	**66,427**
EXPENSE						
Power purchased	226,340	24,374,749	2,508,525	16,900	579,876	50,676
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	44,754	5,926,161	288,787	2,396	45,604	6,939
Administration	29,380	4,710,941	341,935	1,835	61,614	6,615
Fixed charges—interest and principal	11,949	1,184,943	116,627	838	.....	.....
—depreciation	19,558	2,542,023	186,003	1,343	38,669	4,726
—other	.....	57,738	.....	.....	.....	.....
Total expense	**331,981**	**38,796,555**	**3,441,877**	**23,312**	**725,763**	**68,956**
Net income or *net expense*	**47,719**	**2,675,464**	**483,558**	**1,709**	**69,788**	**2,529**
Number of customers	2,628	210,987	18,151	282	4,315	675

Statements for the Year Ended December 31, 1963

Uxbridge 2,512	Vankleek Hill 1,708	Victoria Harbour 1,032	Walkerton 4,069	Wallaceburg 7,998	Wardsville 322	Warkworth 531	Wasaga Beach 488
$	$	$	$	$	$	$	$
200,492	150,164	80,667	372,096	965,539	34,111	53,233	192,955
51,081	*39,075*	*16,182*	*60,893*	*334,276*	*9,693*	*12,497*	*65,297*
149,411	111,089	64,485	311,203	631,263	24,418	40,736	127,658
4,374	7,417	897	4,659	106,682	5,096	912	19,737
22,133	20,000	.....	23,000	79,237	1,500	500	15,000
1,572	45	4,307	697	47,785	218	273	3,908
28,079	27,462	5,204	28,356	233,704	6,814	1,685	38,645
2,830	.....	517	13,683	89,579	.....	.....	20
.....	.....	.....	.....	.....	.....	.....	.....
413	1,686	98	487	.....	.....	91	2,946
3,243	1,686	615	14,170	89,579	.....	91	2,966
145,941	21,558	35,272	226,859	1,135,099	22,457	27,635	28,795
326,674	**161,795**	**105,576**	**580,588**	**2,089,645**	**53,689**	**70,147**	**198,064**
.....	28,000	7,200	.....	.....	.....	6,663	47,000
670	188	1,303	16,729	1,000	79	616	290
2,462	2,025	250	3,250	9,014	140	244	3,837
3,132	30,213	8,753	19,979	10,014	219	7,523	51,127
145,941	21,558	35,272	226,859	1,135,099	22,457	27,635	28,795
.....	.....	.....	.....	.....	.....	.....	.....
145,941	21,558	35,272	226,859	1,135,099	22,457	27,635	28,795
15,364	18,000	11,679	56,749	71,537	7,562	8,110	63,000
.....	.....	.....	.....	.....	.....	.....	.....
162,237	92,024	49,872	277,001	872,995	20,461	26,879	54,471
.....	.....	.....	.....	.....	2,990	.....	671
177,601	110,024	61,551	333,750	944,532	31,013	34,989	118,142
326,674	**161,795**	**105,576**	**580,588**	**2,089,645**	**53,689**	**70,147**	**198,064**
106,575	51,755	34,636	175,678	464,012	12,766	18,190	67,033
2,261	1,926	124	3,203	8,812	196	340	1,934
108,836	**53,681**	**34,760**	**178,881**	**472,824**	**12,962**	**18,530**	**68,967**
79,308	28,156	19,209	126,507	351,423	7,880	12,147	30,796
.....	.....	.....	.....	.....	.....	.....	.....
9,469	6,059	3,730	13,262	41,986	577	1,306	6,289
8,800	4,771	2,785	18,640	47,240	690	1,684	10,975
.....	3,559	1,160	.....	.....	.....	642	8,245
4,875	4,388	2,236	8,054	27,302	999	1,530	5,345
.....	.....	.....	.....	.....	.....	.....	.....
102,452	**46,933**	**29,120**	**166,463**	**467,951**	**10,146**	**17,309**	**61,650**
6,384	**6,748**	**5,640**	**12,418**	**4,873**	**2,816**	**1,221**	**7,317**
932	565	524	1,397	2,771	150	233	1,045

Municipal Electrical Utilities Financial

Municipality	Waterdown	Waterford	Waterloo	Watford	Waubaushene	Webbwood
Population	1,937	2,361	23,401	1,280	1,450	520
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	155,397	177,733	2,990,394	109,790	63,902	43,635
Accumulated depreciation	*40,121*	*45,824*	*585,933*	*38,869*	*11,565*	*6,469*
Net fixed assets	115,276	131,909	2,404,461	70,921	52,337	37,166
CURRENT ASSETS						
Cash on hand and in bank	15,420	6,108	1,089	12,240	.....	8,628
Investment in government securities	.....	.....	.....	13,120	.....	.....
Accounts receivable (Net)	1,445	3,578	32,092	2,505	1,656	284
Total current assets	16,865	9,686	33,181	27,865	1,656	8,912
OTHER ASSETS						
Inventory of stores	.....	283	79,724	539	918	.....
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	.....	1,858	.....	.....	1,618
Total other assets	.....	283	81,582	539	918	1,618
Equity in Ontario Hydro Systems	107,558	146,808	1,538,273	141,357	31,403	1,376
Total	**239,699**	**288,686**	**4,057,497**	**240,682**	**86,314**	**49,072**
LIABILITIES						
Debentures outstanding	6,000	28,900	806,000	.....	.....	20,628
Accounts payable	334	618	36,732	1,097	117	82
Other	546	3,141	79,217	900	25	504
Total liabilities	6,880	32,659	921,949	1,997	142	21,214
RESERVES						
Equity in Ontario Hydro Systems	107,558	146,808	1,538,273	141,357	31,403	1,376
Other	.....	.....	.....	.....	.....	.....
Total reserves	107,558	146,808	1,538,273	141,357	31,403	1,376
CAPITAL						
Debentures redeemed	16,632	13,223	493,627	9,056	3,242	9,372
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	105,519	91,565	1,036,070	88,272	51,527	17,110
Contributed capital	3,110	4,431	67,578	.....	.....	.....
Total capital	125,261	109,219	1,597,275	97,328	54,769	26,482
Total	**239,699**	**288,686**	**4,057,497**	**240,682**	**86,314**	**49,072**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	70,905	88,726	1,220,760	79,299	25,833	16,570
Other	928	386	10,775	1,138	280	35
Total revenue	**71,833**	**89,112**	**1,231,535**	**80,437**	**26,113**	**16,605**
EXPENSE						
Power purchased	41,547	57,730	750,312	60,715	14,322	6,966
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	8,740	12,461	114,823	3,036	3,182	1,327
Administration	6,953	7,299	75,656	9,815	2,639	3,306
Fixed charges—interest and principal	1,342	2,927	112,480	.....	.....	2,655
—depreciation	4,496	4,684	64,691	3,087	1,762	1,159
—other	.....	.....	.....	.....	.....	.....
Total expense	**63,078**	**85,101**	**1,117,962**	**76,653**	**21,905**	**15,413**
Net income or *net expense*	**8,755**	**4,011**	**113,573**	**3,784**	**4,208**	**1,192**
Number of customers	597	841	7,575	532	461	155

Statements for the Year Ended December 31, 1963

Welland	Wellesley	Wellington	West Ferris Twp.	West Lorne	Weston	Westport	Wheatley
36,712	680	1,015	6,100	1,091	9,983	677	1,403
$	$	$	$	$	$	$	$
3,449,089	65,473	86,264	702,791	129,601	1,462,091	45,966	177,955
952,185	*10,552*	*25,880*	*110,812*	*45,262*	*330,642*	*6,620*	*39,782*
2,496,904	54,921	60,384	591,979	84,339	1,131,449	39,346	138,173
310,229	5,996	8,429	32,230	15,070	68,715	3,399	12,615
21,000	1,000	7,000	.....	14,834	.....	5,500	.....
20,474	130	5,751	19,428	1,829	20,149	.....	216
351,703	7,126	21,180	51,658	31,733	88,864	8,899	12,831
38,097	30	1,250	22,210	833	29,983	16	1,058
.....	.....	.....	.....	.....	43,997	.....	.....
28,106	.....	290	10,981	41	3,350	.....	200
66,203	30	1,540	33,191	874	77,330	16	1,258
2,055,111	63,364	70,839	30,959	138,197	1,181,574	38,775	95,053
4,969,921	**125,441**	**153,943**	**707,787**	**255,143**	**2,479,217**	**87,036**	**247,315**
1,354,000	2,900	.....	346,810	.....	151,113	.....	13,727
19,332	1	18,426	16,407	1,292	6,535	.....	10
62,242	414	890	55,040	190	30,988	314	1,174
1,435,574	3,315	19,316	418,257	1,482	188,636	314	14,911
2,055,111	63,364	70,839	30,959	138,197	1,181,574	38,775	95,053
.....	.....	.....	.....	.....	.....	.....	.....
2,055,111	63,364	70,839	30,959	138,197	1,181,574	38,775	95,053
463,872	9,528	13,816	90,690	8,000	152,707	15,000	38,273
.....	.....	.....	.....	.....	43,997	.....	.....
1,015,364	49,234	40,480	159,310	107,464	904,827	32,947	99,078
.....	.....	9,492	8,571	.....	7,476	.....	.....
1,479,236	58,762	63,788	258,571	115,464	1,109,007	47,947	137,351
4,969,921	**125,441**	**153,943**	**707,787**	**255,143**	**2,479,217**	**87,036**	**247,315**
1,745,261	28,154	39,211	283,646	65,202	585,696	23,518	65,463
11,023	426	707	10,145	5,182	30,547	597	501
1,756,284	**28,580**	**39,918**	**293,791**	**70,384**	**616,243**	**24,115**	**65,964**
1,134,448	16,179	24,837	160,967	46,531	363,838	17,209	39,504
.....	.....	.....	.....	.....	.....	.....	.....
119,795	1,567	4,457	21,206	6,871	41,106	1,597	5,234
151,629	2,031	3,644	29,469	11,007	79,105	3,536	5,149
129,334	438	.....	38,321	.....	20,163	.....	3,605
92,386	1,717	2,710	15,191	3,592	32,045	1,148	4,639
.....	.....	.....	.....	.....	.....	.....	.....
1,627,592	**21,932**	**35,648**	**265,154**	**68,001**	**536,257**	**23,490**	**58,131**
128,692	**6,648**	**4,270**	**28,637**	**2,383**	**79,986**	**625**	**7,833**
11,077	301	500	2,111	442	4,079	304	523

Municipal Electrical Utilities Financial

Municipality	Whitby	Wiarton	Williams-burg	Winchester	Windermere	Windsor
Population	13,873	2,036	340	1,428	112	112,049
A. BALANCE SHEETS						
FIXED ASSETS	$	$	$	$	$	$
Plant and facilities at cost	1,463,009	154,818	28,106	123,245	40,224	13,640,861
Accumulated depreciation	*218,694*	*39,900*	*9,504*	*34,670*	*8,068*	*4,349,369*
Net fixed assets	1,244,315	114,918	18,602	88,575	32,156	9,291,492
CURRENT ASSETS						
Cash on hand and in bank	3,195	7,562	3,886	26,446	1,014	220,517
Investment in government securities	10,000	20,000	5,000	.....	4,840	1,953,802
Accounts receivable (Net)	20,606	1,472	163	3,487	328	407,997
Total current assets	33,801	29,034	9,049	29,933	6,182	2,582,316
OTHER ASSETS						
Inventory of stores	27,674	5,699	.....	.....	.....	237,299
Sinking fund on local debentures	.....	.....	.....	.....	.....	.....
Miscellaneous	.....	.....	.....	2,400	.....	6,209
Total other assets	27,674	5,699	.....	2,400	.....	243,508
Equity in Ontario Hydro Systems	591,735	126,181	31,598	121,929	16,799	13,719,666
Total	**1,897,525**	**275,832**	**59,249**	**242,837**	**55,137**	**25,836,982**
LIABILITIES						
Debentures outstanding	261,000	.....	.....	.....	.....	.....
Accounts payable	14,005	13	172	83	.....	283,346
Other	56,517	867	468	10	.....	187,935
Total liabilities	331,522	880	640	93	.....	471,281
RESERVES						
Equity in Ontario Hydro Systems	591,735	126,181	31,598	121,929	16,799	13,719,666
Other	.....	.....	.....	.....	.....	275,103
Total reserves	591,735	126,181	31,598	121,929	16,799	13,994,769
CAPITAL						
Debentures redeemed	200,012	37,400	2,750	29,162	11,238	2,583,832
Local sinking fund	.....	.....	.....	.....	.....	.....
Accumulated net income invested in plant or held as working funds	768,845	111,371	24,261	91,653	27,100	8,787,100
Contributed capital	5,411	.....	.....	.....	.....	.....
Total capital	974,268	148,771	27,011	120,815	38,338	11,370,932
Total	**1,897,525**	**275,832**	**59,249**	**242,837**	**55,137**	**25,836,982**
B. OPERATING STATEMENTS						
REVENUE						
Sales of electric energy	687,918	87,430	14,875	71,282	9,569	4,855,213
Other	16,634	2,951	213	460	866	117,832
Total revenue	**704,552**	**90,381**	**15,088**	**71,742**	**10,435**	**4,973,045**
EXPENSE						
Power purchased	458,189	58,575	10,650	54,167	6,088	3,010,964
Local generation	.....	.....	.....	.....	.....	.....
Operation and maintenance	62,009	10,466	524	3,768	1,024	661,193
Administration	63,823	6,709	1,491	5,210	845	478,552
Fixed charges—interest and principal	52,216	.....	.....	.....	.....	10,597
—depreciation	30,208	3,720	855	3,722	1,171	368,565
—other	.....	.....	.....	.....	.....	.....
Total expense	**666,445**	**79,470**	**13,520**	**66,867**	**9,128**	**4,529,871**
Net income or *net expense*	**38,107**	**10,911**	**1,568**	**4,875**	**1,307**	**443,174**
Number of customers	4,083	821	149	602	131	37,755

Statements for the Year Ended December 31, 1963

Wingham	Woodbridge	Woodstock	Woodville	Wyoming	York Twp.	Zurich	Total
2,837	2,443	21,677	420	965	126,311	729	
$	$	$	$	$	$	$	$
372,641	206,497	2,567,074	44,933	77,913	9,084,168	60,505	523,032,765
142,729	*54,618*	*726,345*	*7,466*	*21,994*	*2,853,697*	*8,072*	*120,564,846*
229,912	151,879	1,840,729	37,467	55,919	6,230,471	52,433	402,467,919
16,971	50,957	98,165	4,357	5,972	600,725	8,049	19,175,569
60,000	24,650	.....	.....	9,208	554,000	.....	16,225,459
1,483	1,450	23,638	754	413	262,803	142	15,572,525
78,454	77,057	121,803	5,111	15,593	1,417,528	8,191	50,973,553
12,121	.....	1,374	.....	130	118,169	89	10,351,372
.....	.....	.....	.....	.....	.....	.....	5,442,451
.....	.....	2,072	.....	.....	3,388	24	3,235,378
12,121	.....	3,446	.....	130	121,557	113	19,029,201
250,342	221,801	2,113,952	33,399	46,160	5,456,682	62,133	329,924,857
570,829	**450,737**	**4,079,930**	**75,977**	**117,802**	**13,226,238**	**122,870**	**802,395,530**
.....	.....	.....	.....	.....	.....	.....	82,865,177
1,154	324	24,558	76	897	317,510	90	12,860,334
3,516	2,430	20,917	30	287	492,687	290	8,534,095
4,670	2,754	45,475	106	1,184	810,197	380	104,259,606
250,342	221,801	2,113,952	33,399	46,160	5,456,682	62,133	329,924,857
.....	.....	.....	.....	.....	.....	.....	2,323,811
250,342	221,801	2,113,952	33,399	46,160	5,456,682	62,133	332,248,668
81,155	23,835	429,776	5,248	9,700	489,375	5,592	92,400,155
.....	.....	.....	.....	.....	.....	.....	5,442,451
234,662	199,489	1,490,727	37,224	60,758	6,417,659	54,765	258,763,652
.....	2,858	.....	.....	.....	52,325	.....	9,280,998
315,817	226,182	1,920,503	42,472	70,458	6,959,359	60,357	365,887,256
570,829	**450,737**	**4,079,930**	**75,977**	**117,802**	**13,226,238**	**122,870**	**802,395,530**
141,915	109,573	1,101,327	16,324	29,469	4,030,848	31,333	230,166,226
9,079	3,688	10,615	74	945	181,038	70	5,324,613
150,994	**113,261**	**1,111,942**	**16,398**	**30,414**	**4,211,886**	**31,403**	**235,490,839**
99,688	79,117	744,003	6,987	19,867	2,547,224	19,015	152,433,112
2,092	.....	.....	.....	.....	.....	.....	572,079
13,052	6,940	115,910	2,333	2,807	347,392	2,132	21,989,333
13,272	10,598	83,719	1,068	2,194	541,996	3,048	19,550,879
.....	.....	8,807	.....	.....	.....	.....	9,135,950
8,902	6,001	63,661	1,235	2,157	241,095	1,577	12,557,510
.....	.....	.....	.....	.....	.....	.....	76,738
137,006	**102,656**	**1,016,100**	**11,623**	**27,025**	**3,677,707**	**25,772**	**216,315,601**
13,988	**10,605**	**95,842**	**4,775**	**3,389**	**534,179**	**5,631**	**19,175,238**
1,113	781	7,423	197	361	41,301	308	1,497,857

STATEMENT "C"

Statement "C" is the schedule of retail rates for residential, commercial, and industrial power service in the municipal distribution systems receiving power from the Commission.

Rate Schedules in Effect

Under normal or standard residential service, charges are calculated on specified blocks of kilowatt-hours per month at designated rates for each block. The account rendered is subject to a minimum monthly charge and to a prompt payment discount of 10 per cent. For comparative purposes, net monthly bills are shown for metered energy consumptions of 250 and 500 kilowatt-hours. Water-heating service may be provided either at a special flat-rate monthly charge, or through the regular metered service. A "w" opposite the rate for the third block of 500 kilowatt-hours for certain municipalities indicates that that block is available only to customers with an approved water heater supplied through the regular service meter. In these municipalities flat-rate service for water heating is not generally available to new applicants for residential service. House-heating energy may be segregated from the standard service and billed at a separate house-heating rate, or, as indicated in the table, it may be optionally included with the normal household service and billed at the regular residential rate. Where a low all-electric rate is in effect, house-heating energy would, of course, be included with the water-heating and basic household energy, the entire service being billed at this special rate.

Commercial rates are applicable to all electrical service supplied to stores, offices, churches, schools, public buildings, institutions, hospitals, hotels, restaurants, service stations, and other premises used for commercial purposes. The commercial rates are also used for billing sign and display lighting. In many municipalities, commercial-type customers having connected loads of under five kilowatts are billed at residential rates. Rates for industrial power service to customers of the municipal systems provide for 24-hour unrestricted delivery at secondary distribution voltage. These rates, however, are not applicable to the Commission's direct industrial customers.

Commercial and industrial power service bills are based on a monthly demand rate (with a minimum for commercial service) applied to the customer's billing demand, plus energy charges for specified blocks of kilowatt-hours used, the size of the blocks varying in accordance with the customer's billing demand. All additional energy is billed at the end rate per kilowatt-hour. The accounts are subject to a prompt payment discount of 10 per cent. The net monthly bills shown for commercial and industrial power service are calculated on the basis of a demand of one kilowatt for a use per month of 200 and 300 hours. The corresponding bill for a demand of 10 kilowatts would be ten times the amounts shown, for 20 kilowatts twenty times the amounts shown, and so on.

STATEMENT "D"

Statement "D" records revenue, consumption, number of customers, average consumption per customer, and average cost per kilowatt-hour for each of the three main classes of service in all the municipal systems served. The revenue and consumption from house heating and the use of flat-rate water heaters are included in the totals shown, the flat-rate water-heater kilowatt-hours being estimated on the basis of 16.8 hours' use per day.

The average cost per kilowatt-hour is the average cost to the customer, that is the average revenue per kilowatt-hour received by the utility. Such a statistical average does not represent the utility's actual cost of delivering one kilowatt-hour. However, a comparison of this average over a number of years is some indication of the trend of cost in any one municipality, and the trend in all municipal systems combined may be seen in the table on page 144 and the graphs on page 145. Other things being equal, the average cost per kilowatt-hour would rise with an increase in rates. The normal trend, however, is for consumption per customer to increase, and residential customers in particular are using an ever-widening variety of electrical appliances, including fast-recovery water heaters. This increased use, since it is billed at the low rates usually applicable to higher-consumption blocks of kilowatt-hours, is frequently reflected in a lower average cost per kilowatt-hour.

For industrial power service customers, the relationship between demand (kilowatts required) and energy (kilowatt-hours of use) is an important factor in establishing the customer's average cost per kilowatt-hour. The use of the demand for only a few hours will result in a relatively small total bill but a high average cost per kilowatt-hour; the use of the same demand for several hours will increase the total bill but substantially reduce the average cost per kilowatt-hour. In other words, the average cost per kilowatt-hour varies inversely with the customer's load factor.

RATES AND TYPICAL BILLS FOR

in Effect

Rates are quoted on a monthly basis and and a minimum

	Flat-Rate Water Heating per 100 Watts or **Schedule Number**		Residential Service									
			House Heating per Kwh (See Notes)	All-Electric Service per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Gross Monthly Bill	Net Monthly Bill for	
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Additional Kwh		250 Kwh	500 Kwh
	¢	No.	¢	¢	No.	¢	¢	¢	¢	$	$	$
Acton	..	41	∅	1.1	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07
Ailsa Craig	..	45	1.5	...	50	2.6	1.3	0.8	1.1	1.39	3.51	5.31
Ajax	..	37	1.2	1.1	50	3.4	1.7	...	1.0	1.70	4.59	6.84
Alexandria	..	45	∅	...	50	2.8	1.3	w0.7	1.1	1.67	3.60	6.07
Alfred	..	42	1.2	1.1	50	3.2	1.6	0.9	1.3	1.11	4.32	6.34
Alliston	..	40	1.1	1.1	60	3.1	...	...	1.0	1.11	3.38	5.63
Almonte	..	35	□	...	50	2.8	1.4	w0.8	1.1	1.40	3.78	6.25
Alvinston	..	45	□	...	50	3.5	1.6	w0.8	1.1	1.39	4.45	6.93
Amherstburg	..	38	□	1.1	50	3.0	1.4	0.8	1.1	1.67	3.87	5.67
Ancaster Twp (incl. Ancaster)	43	..	□	...	60	4.2	...	...	1.2	1.11	4.32	7.02
Apple Hill	56	..	..	...	60	4.0	...	...	1.0	1.39	3.87	6.12
Arkona	43	..	1.5	...	50	3.2	1.6	1.0	1.4	1.11	4.32	6.57
Arnprior	..	37	1.2	...	50	2.6	1.3	...	0.8	1.39	3.51	5.31
Arthur	..	42	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58
Athens	..	41	□	...	50	2.4	1.2	w0.7	1.1	1.20	3.24	5.71
Atikokan Twp	..	40	□	...	50	3.4	1.7	w0.9	1.1	1.70	4.59	7.06
Aurora	..	37	..	1.1	50	3.0	1.5	0.8	1.1	1.50	4.05	5.85
Avonmore	..	40	1.5	...	50	4.0	2.0	1.1	1.6	1.11	5.40	7.87
Aylmer	..	36	∅	...	50	2.6	1.2	0.8	1.1	1.67	3.33	5.13
Ayr	..	44	1.1	...	60	2.9	...	...	1.0	1.11	3.28	5.53
Baden	..	40	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58
†Bala	..	41	1.22	...	50	4.4	2.2	w0.8	1.2	1.67	5.94	8.64
Bancroft	53	..	□	...	60	3.5	...	...	1.3	1.39	4.11	7.04
Barrie	..	39	1.1	...	60	2.4	...	...	1.0	0.83	3.01	5.26
Barry's Bay	..	42	1.1	...	50	2.6	1.3	0.7	1.0	1.67	3.51	5.08
Bath	..	39	□	...	60	3.5	...	...	1.2	1.67	3.94	6.64
Beachburg	..	39	∅	...	50	4.0	1.8	w0.7	1.1	2.22	5.04	7.51
Beachville	..	42	□	...	50	2.8	1.4	0.7	1.1	1.67	3.78	5.35
Beamsville	..	43	∅	1.1	50	3.4	1.7	w0.8	1.1	1.75	4.59	7.06
†Beardmore	..	45	1.22	...	50	4.0	2.0	w0.9	1.2	2.22	5.40	8.10
Beaverton	..	40	□	...	50	2.6	1.3	0.7	1.1	1.39	3.51	5.08
Beeton	..	45	□	...	50	3.2	1.6	0.9	1.3	1.39	4.32	6.34
Belle River	..	42	□	1.1	50	3.6	1.8	w0.8	1.1	2.22	4.86	7.33
Belleville	..	35	1.2	1.1	50	2.0	...	...	1.0	1.11	2.70	4.95
Belmont	..	44	∅	...	50	4.2	2.1	w0.8	1.1	2.10	5.67	8.14
Blenheim	..	44	1.1	...	50	3.0	1.5	...	0.9	1.11	4.05	6.07
†Blind River	..	45	1.22	...	50	3.8	1.9	w0.8	1.1	1.39	5.13	7.60
Bloomfield	..	42	1.5	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Blyth	..	45	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58
Bobcaygeon	..	40	□	...	60	3.4	...	...	1.2	1.67	3.89	6.59

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

For explanatory notes and water-heating schedules see pages 220 to 223.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1963

are subject to 10% prompt payment discount
monthly charge

Commercial Service							Industrial Power Service							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents — Energy Rate per Kwh for Use of Each Kw of Demand: First 100 Hours	Next 100 Hours	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours	Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand: First Block Hours' Use 50	100	Second Block Hours' Use 50	100	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours
¢	¢	¢	¢	¢	$	$	$	¢	¢	¢	¢	¢	$	$
...	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.4	..	0.5	0.33	2.61	2.91
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	2.6	...	1.0	3.69	4.59	1.20	1.9	..	1.3	..	0.30	2.79	3.06
1.1	...	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	...	°3.2	0.8	0.5	4.05	4.50	1.00	..	2.7	..	0.5	0.33	3.78	4.08
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.2	...	3.6	...	1.0	4.59	5.49	1.35	2.9	..	1.9	..	0.33	3.67	3.97
...	...	3.5	...	1.0	4.50	5.40	1.35	2.8	..	1.8	..	0.33	3.58	3.88
...	...	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.0	...	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.5	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	...	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	...	2.4	...	0.9	3.42	4.23	1.20	2.1	..	1.4	..	0.30	2.92	3.19
...	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.6	1.5	4.2	0.8	0.5	4.95	5.40	1.00	..	2.7	..	0.5	0.33	3.78	4.08
...	...	3.0	...	1.2	4.23	5.31	1.20	2.1	..	1.4	..	0.30	2.92	3.19
1.0	...	°2.0	...	0.8	2.97	3.69	1.00	1.4	..	0.9	..	0.25	2.16	2.38
...	1.5	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.61	2.91
...	...	3.0	...	1.2	4.23	5.31	1.35	3.5	..	2.3	..	0.33	4.12	4.42
...	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.5	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.2	1.5	°3.7	0.8	0.5	4.50	4.95	1.00	..	2.8	..	0.5	0.33	3.87	4.17
...	1.5	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	...	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.0	1.5	°1.8	0.8	0.5	2.79	3.24	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	...	°3.4	0.8	0.5	4.23	4.68	1.00	..	2.9	..	0.5	0.33	3.96	4.26
1.2	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.1	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	..	2.7	..	0.5	0.33	3.78	4.08
...	...	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.2	...	2.9	...	1.0	3.96	4.86	1.35	2.3	..	1.5	..	0.33	3.22	3.52

RATES AND TYPICAL BILLS FOR

in Effect

Rates are quoted on a monthly basis and and a minimum

	Flat-Rate Water Heating per 100 Watts — or Schedule Number		Residential Service									
			House Heating per Kwh (See Notes)	All-Electric Service per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Gross Monthly Bill	Net Monthly Bill for	
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Additional Kwh		250 Kwh	500 Kwh
	¢	No.	¢	¢	No.	¢	¢	¢	¢	$	$	$
Bolton	..	45	∅	1.1	50	4.0	2.0	w0.8	1.1	2.00	5.40	7.87
Bothwell	..	45	□	...	50	2.6	1.3	w0.7	1.1	0.83	3.51	5.98
Bowmanville	..	35	1.2	1.1	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81
Bracebridge	..	39	□	...	60	3.0	...	...	1.2	0.83	3.67	6.37
Bradford	40	..	∅	...	50	2.8	1.4	0.8	1.1	1.39	3.78	5.58
Braeside	..	36	1.5	...	50	2.6	1.3	...	1.1	0.83	3.51	5.98
Brampton	..	37	..	1.1	50	3.2	1.6	w0.7	1.1	2.78	4.32	6.79
Brantford	..	41	□	...	60	2.2	...	...	1.2	0.83	3.24	5.94
§§Brantford Twp	..	42	∅	...	50	4.0	2.0	w0.8	1.2	1.67	5.40	8.10
Brechin	..	40	1.1	...	50	2.2	1.1	0.7	1.0	1.11	2.97	4.54
Bridgeport	..	40	□	1.1	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07
Brigden	..	45	□	...	50	2.6	1.3	w0.7	1.1	1.11	3.51	5.98
Brighton	..	42	1.1	...	50	3.0	1.4	w0.7	1.0	1.50	3.87	6.12
Brockville	38	..	1.1	1.1	50	2.9	1.4	w0.8	1.1	1.45	3.82	6.30
Brussels	..	45	□	1.2	50	3.2	1.6	0.9	1.3	1.39	4.32	6.34
Burford	..	43	∅	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07
Burgessville	..	43	1.5	...	60	4.0	...	...	1.0	1.11	3.87	6.12
Burk's Falls	..	45	□	...	50	3.4	1.7	1.0	1.4	1.67	4.59	6.84
§§Burlington	..	42	□	1.1	50	4.0	1.8	...	1.1	2.00	5.04	7.51
Cache Bay	..	43	□	...	50	3.5	1.5	...	1.1	1.67	4.27	6.75
§Caledonia	..	45	∅	...	50	2.7	1.3	w0.8	1.1	2.00	3.55	6.03
Campbellford	..	38	1.1	...	50	2.6	1.3	0.7	1.0	1.67	3.51	5.08
Campbellville	..	45	..	...	60	3.0	...	...	1.3	1.11	3.84	6.77
Cannington	..	42	1.1	...	50	3.2	1.1	w0.7	1.0	1.67	3.42	5.67
§Capreol	..	43	∅	...	50	3.2	1.3	w0.8	1.1	2.25	3.78	6.25
Cardinal	..	40	□	...	50	2.6	1.3	w0.8	1.1	1.30	3.51	5.98
Carleton Place	..	39	1.1	...	50	3.2	1.6	1.0	1.4	1.11	4.32	6.57
Casselman	..	41	1.2	...	50	3.4	1.7	...	1.0	1.11	4.59	6.84
Cayuga	..	50	1.2	...	50	3.4	1.7	0.8	1.1	2.00	4.59	6.39
Chalk River	..	40	∅	1.1	50	3.6	1.6	w0.7	1.1	1.80	4.50	6.97
Chapleau Twp	..	..	..	...	60	9.0	...	...	4.0	2.78	11.70	20.70
Chatham	..	41	∅	...	60	3.8	...	...	1.4	1.11	4.45	7.60
Chatsworth	46	..	1.1	...	50	2.8	1.4	0.8	1.1	1.39	3.78	5.58
Chesley	..	41	1.3	...	60	2.7	...	...	1.0	1.11	3.17	5.42
Chesterville	..	41	∅	...	50	2.8	1.3	w0.7	1.1	1.40	3.60	6.07
Chippawa	40	..	1.5	...	60	3.1	...	...	1.4	1.11	4.07	7.22
Clifford	..	45	□	1.1	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07
Clinton	..	41	□	1.1	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07
†Cobalt	..	42	1.22	...	50	4.0	2.0	w0.8	1.1	1.39	5.40	7.87
Cobden	..	36	1.1	...	50	2.0	1.0	0.7	1.0	1.67	2.70	4.27

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

For explanatory notes and water-heating schedules see pages 220 to 223.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1963

are subject to 10% prompt payment discount
monthly charge

Commercial Service							Industrial Power Service							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents — Energy Rate per Kwh for Use of Each Kw of Demand: First 100 Hours	Next 100 Hours	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours	Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand — First Block Hours' Use: 50	100	Second Block Hours' Use: 50	100	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours
¢	¢	¢	¢	¢	$	$	$	¢	¢	¢	¢	¢	$	$
...	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	°1.7	0.8	0.5	2.70	3.15	1.00	..	1.2	..	0.5	0.33	2.43	2.73
1.2	1.5	2.0	...	1.0	3.15	4.05	1.20	1.4	..	0.9	..	0.30	2.38	2.65
1.1	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	...	1.8	...	0.7	2.70	3.33	1.20	1.4	..	0.9	..	0.30	2.38	2.65
1.2	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°1.7	0.8	0.5	2.70	3.15	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.0	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	...	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
1.2	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	3.5	...	0.8	4.32	5.04	1.35	2.9	..	1.9	..	0.33	3.67	3.97
1.4	...	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
1.1	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.3	..	0.5	0.33	3.42	3.72
1.1	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°1.6	0.8	0.5	2.61	3.06	1.00	..	1.1	..	0.5	0.33	2.34	2.64
...	...	2.8	...	1.1	3.96	4.95	1.35	3.5	..	2.3	..	0.33	4.12	4.42
1.1	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	°2.8	0.8	0.5	3.69	4.14	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.5	..	0.5	0.33	3.60	3.90
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	...	8.5	...	4.0	11.70	15.30	1.35	5.7	..	3.8	..	2.00	7.29	9.09
1.4	...	3.3	...	1.2	4.50	5.58	1.35	2.0	..	1.3	..	0.40	3.00	3.29
...	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	...	2.3	...	1.0	3.42	4.32	1.20	1.9	..	1.3	..	0.30	2.79	3.06
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	2.6	...	1.3	3.96	5.13	1.20	1.9	..	1.3	..	0.30	2.79	3.06
1.2	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.3	..	0.5	0.33	2.52	2.82

RATES AND TYPICAL BILLS FOR
in Effect

Rates are quoted on a monthly basis and and a minimum

	Flat-Rate Water Heating per 100 Watts or Schedule Number		Residential Service									
			House Heating per Kwh (See Notes)	All-Electric Service per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Gross Monthly Bill	Net Monthly Bill for	
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Additional Kwh		250 Kwh	500 Kwh
	¢	No.	¢	¢	No.	¢	¢	¢	¢	$	$	$
Cobourg	..	41	∅	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Cochrane	..	35	1.2	1.2	60	3.4	...	...	1.5	1.11	4.40	7.78
Colborne	..	43	1.1	...	60	3.8	...	...	1.0	0.83	3.76	6.01
Coldwater	..	40	1.1	...	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08
Collingwood	..	41	□	...	50	2.4	1.2	0.7	1.1	1.11	3.24	4.81
Comber	..	45	1.2	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07
Coniston	..	42	∅	...	50	3.2	1.6	1.0	1.2	1.11	4.32	6.57
Cookstown	..	45	∅	...	50	2.6	1.3	0.8	1.1	1.39	3.51	5.31
Cottam	41	..	∅	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58
Courtright	..	45	..	1.1	50	3.2	1.6	w0.8	1.1	1.11	4.32	6.79
Creemore	..	44	1.1	...	50	3.1	...	...	1.0	1.39	3.19	5.44
Dashwood	45	..	1.2	1.2	50	3.6	1.8	1.1	1.5	1.11	4.86	7.33
Deep River	..	40	1.1	...	50	3.4	1.4	...	0.9	1.67	4.05	6.07
Delaware	..	44	1.2	...	60	3.8	...	...	1.4	1.11	4.45	7.60
Delhi	..	43	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Deseronto	..	40	1.1	...	50	2.6	1.3	0.7	1.0	0.83	3.51	5.08
Dorchester	..	43	□	...	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58
Drayton	..	44	□	1.2	50	3.4	1.7	1.0	1.4	1.11	4.59	6.84
Dresden	..	44	□	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07
Drumbo	..	45	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58
Dryden	..	35	□	...	50	3.8	1.9	...	1.1	1.90	5.13	7.60
Dublin	..	43	∅	1.1	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58
Dundalk	..	44	1.1	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58
Dundas	..	43	..	1.1	50	3.6	1.8	w0.8	1.1	1.80	4.86	7.33
Dunnville	..	45	1.1	...	50	2.8	1.4	...	0.9	0.83	3.78	5.80
Durham	..	41	1.1	...	60	2.7	...	...	1.1	1.11	3.34	5.81
Dutton	47	..	1.1	...	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58
East York Twp	..	35	1.2	1.1	50	Min.	1.3	...	0.9	1.67	3.84	5.87
Eganville	..	42	1.5	...	60	4.3	...	...	1.1	1.11	4.20	6.68
†Elk Lake Townsite	..	42	1.22	...	50	3.6	1.8	w0.8	1.1	1.39	4.86	7.33
Elmira	..	45	□	1.1	50	3.0	1.5	0.8	1.2	1.39	4.05	5.85
Elmvale	40	..	1.1	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Elmwood	39	..	1.1	...	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08
Elora	..	44	1.5	...	60	3.2	...	...	1.4	1.11	4.12	7.27
Embro	..	44	∅	...	60	3.3	...	...	1.1	0.83	3.66	6.14
†Englehart	..	42	1.22	...	50	4.0	2.0	w0.8	1.1	1.39	5.40	7.87
Erieau	..	45	1.2	...	50	2.8	1.4	...	0.8	1.11	3.78	5.58
Erie Beach	..	45	1.5	...	50	4.0	2.0	...	1.1	2.78	5.40	7.87
Erin	..	40	□	...	50	3.0	1.5	0.8	1.2	1.39	4.05	5.85
Espanola	..	35	□	1.1	50	3.4	1.7	w0.7	1.1	2.22	4.59	7.06

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

For explanatory notes and water-heating schedules see pages 220 to 223.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1963

are subject to 10% prompt payment discount
monthly charge

Commercial Service							Industrial Power Service							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents — Energy Rate per Kwh for Use of Each Kw of Demand: First 100 Hours	Next 100 Hours	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours	Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand: First Block Hours' Use 50	100	Second Block Hours' Use 50	100	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours
¢	¢	¢	¢	¢	$	$	$	¢	¢	¢	¢	¢	$	$
1.1	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	1.5	2.9	...	1.4	4.32	5.58	1.35	2.3	..	1.5	..	0.33	3.22	3.52
...	...	3.0	...	1.0	4.05	4.95	1.35	2.8	..	1.8	..	0.33	3.58	3.88
...	...	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	...	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.3	..	0.5	0.33	2.52	2.82
...	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.2	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	...	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	...	2.6	...	0.9	3.60	4.41	1.20	1.6	..	1.0	..	0.30	2.52	2.79
...	1.5	°3.1	0.8	0.5	3.96	4.41	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	3.4	...	1.4	4.77	6.03	1.35	3.1	..	2.0	..	0.33	3.81	4.10
1.1	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	...	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	...	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°3.1	0.8	0.5	3.96	4.41	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.6	..	0.5	0.33	3.69	3.99
...	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.1	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	1.5	2.4	...	1.0	3.51	4.41	1.35	2.2	..	1.4	..	0.33	3.13	3.43
...	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.4	..	0.5	0.33	2.61	2.91
...	...	3.8	...	1.0	4.77	5.67	1.35	2.5	..	1.6	..	0.33	3.36	3.65
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.2	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	1.5	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	2.8	...	1.4	4.23	5.49	1.35	2.0	..	1.3	..	0.33	3.00	3.29
1.1	1.5	2.7	...	0.7	3.51	4.14	1.35	3.1	..	2.0	..	0.33	3.81	4.10
1.1	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.1	...	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.5	..	0.5	0.33	3.60	3.90
...	...	°3.5	0.8	0.5	4.32	4.77	1.00	..	2.6	..	0.5	0.33	3.69	3.99
1.2	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.5	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.6	..	0.5	0.33	2.79	3.09

RATES AND TYPICAL BILLS FOR
in Effect

Rates are quoted on a monthly basis and
and a minimum

	Flat-Rate Water Heating per 100 Watts or **Schedule Number**		Residential Service									
			House Heating per Kwh (See Notes)	All-Electric Service per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Gross Monthly Bill	Net Monthly Bill for	
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Additional Kwh		250 Kwh	500 Kwh
	¢	No.	¢	¢	No.	¢	¢	¢	¢	$	$	$
Essex	..	**43**	□	1.2	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85
Etobicoke Twp (incl. Thistletown)	..	**40**	1.2	1.1	60	4.0	...	...	1.0	1.25	3.87	6.12
Exeter	..	**45**	1.3	...	60	3.0	...	...	1.3	1.11	3.84	6.77
Fergus	..	**41**	□	1.1	60	3.3	...	...	1.3	1.11	4.00	6.93
Finch	..	**42**	1.5	...	50	3.0	1.5	0.8	1.2	1.95	4.05	5.85
Flesherton	37	..	1.1	...	50	2.0	1.0	0.7	1.0	1.11	2.70	4.27
Fonthill	..	**41**	1.2	...	60	3.0	...	...	1.3	0.83	3.84	6.77
Forest	..	**41**	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Forest Hill	..	**37**	1.2	...	50	3.0	1.5	0.8	1.2	0.83	4.05	5.85
Fort William	..	**31**	..	1.11	60	2.0	...	...	0.8	0.83	2.45	4.25
Frankford	..	**36**	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Galt	..	**36**	□	...	60	3.0	...	...	1.1	2.00	3.50	5.98
Georgetown	..	**39**	1.2	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07
Glen Williams	..	**39**	1.2	...	50	3.2	1.6	0.9	1.3	1.11	4.32	6.34
†Geraldton	..	**45**	1.22	...	50	4.0	2.0	w0.9	1.2	2.22	5.40	8.10
Glencoe	..	**45**	1.1	...	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81
Goderich	..	**42**	□	1.1	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85
†Gogama	..	**45**	1.5	...	50	7.0	3.5	...	1.6	2.78	9.45	13.05
Grand Bend	..	**42**	1.35	...	50	4.0	2.0	...	1.4	2.50	5.40	8.55
Grand Valley	50	..	□	...	60	3.0	...	...	1.2	1.11	3.67	6.37
Granton	50	..	..	...	60	3.9	...	...	1.4	1.11	4.50	7.65
Gravenhurst	..	**40**	1.2	...	50	2.8	1.1	w0.7	1.0	1.67	3.24	5.49
Grimsby	..	**43**	1.1	...	50	3.2	1.6	w0.8	1.0	1.39	4.32	6.57
Guelph	..	**34**	□	...	50	3.6	1.8	1.0	1.1	1.67	4.86	7.11
Hagersville	..	**41**	□	...	60	2.8	...	...	1.1	0.83	3.39	5.87
†Haileybury	..	**42**	1.22	...	50	4.0	2.0	w0.8	1.1	1.39	5.40	7.87
Hamilton	..	**40**	□	...	60	2.6	...	...	1.0	0.83	3.11	5.36
Hanover	..	**38**	1.1	...	60	2.2	...	...	1.0	0.83	2.90	5.15
Harriston	..	**39**	□	1.1	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07
Harrow	..	**38**	□	1.1	50	3.0	1.5	0.9	1.2	0.83	4.05	6.07
Hastings	..	**38**	1.1	...	50	2.4	1.2	0.7	1.0	2.22	3.24	4.81
Havelock	..	**40**	□	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07
Hawkesbury	..	**36**	□	1.1	50	3.4	1.7	w0.8	1.1	1.70	4.59	7.06
Hearst	..	**45**	1.2	1.1	50	4.6	2.2	w0.7	1.2	2.78	6.03	8.73
Hensall	..	**45**	1.2	...	60	3.2	...	...	1.0	0.83	3.44	5.69
†Hepworth	..	**45**	1.22	...	50	3.6	1.8	w0.8	1.1	1.67	4.86	7.33
Hespeler	..	**42**	□	...	60	3.2	...	...	1.1	0.83	3.61	6.08
Highgate	..	**45**	1.2	...	60	3.2	...	...	0.9	0.83	3.27	5.29
Holstein	..	**41**	1.1	...	60	3.0	...	...	1.0	1.11	3.33	5.58
†Hornepayne	..	**60**	∅	...	50	8.0	2.0	...	1.5	2.78	7.20	10.57
†Hudson Townsite	..	**45**	1.22	...	50	4.4	2.2	w0.9	1.2	2.22	5.94	8.64

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

For explanatory notes and water-heating schedules see pages 220 to 223.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1963

are subject to 10% prompt payment discount
monthly charge

Commercial Service							Industrial Power Service							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents — Energy Rate per Kwh for Use of Each Kw of Demand: First 100 Hours	Next 100 Hours	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours	Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand — First Block Hours' Use: 50	100	Second Block Hours' Use: 50	100	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours
¢	¢	¢	¢	¢	$	$	$	¢	¢	¢	¢	¢	$	$
...	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	2.6	...	0.8	3.51	4.23	1.20	2.1	..	1.4	..	0.30	2.92	3.19
1.3	1.5	2.8	...	1.1	3.96	4.95	1.35	2.2	..	1.4	..	0.33	3.13	3.43
...	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	...	°1.6	0.8	0.5	2.61	3.06	1.00	..	1.0	..	0.5	0.33	2.25	2.55
1.3	...	2.5	...	1.2	3.78	4.86	1.35	2.5	..	1.6	..	0.33	3.36	3.65
1.1	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	...	°1.8	0.8	0.5	2.79	3.24	1.00	..	1.3	..	0.5	0.33	2.52	2.82
0.8	...	1.9	...	0.4	2.52	2.88	1.00	1.4	..	0.9	..	0.25	2.16	2.38
1.1	...	°1.8	0.8	0.5	2.79	3.24	1.00	..	1.1	..	0.5	0.33	2.34	2.64
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.20	1.6	..	1.0	..	0.30	2.52	2.79
1.1	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.2	1.5	°3.7	0.8	0.5	4.50	4.95	1.00	..	2.8	..	0.5	0.33	3.87	4.17
...	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.6	1.5	5.8	0.8	0.5	6.39	6.84	1.00	..	5.1	..	0.5	0.33	5.94	6.24
1.4	...	°3.8	0.8	0.5	4.59	5.04	1.00	..	2.8	..	0.5	0.33	3.87	4.17
...	...	2.5	...	1.2	3.78	4.86	1.20	2.1	..	1.4	..	0.30	2.92	3.19
...	...	3.4	...	1.3	4.68	5.85	1.35	2.6	..	1.7	..	0.33	3.45	3.74
1.0	1.5	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.61	2.91
1.0	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	...	2.3	...	0.9	3.33	4.14	1.20	1.7	..	1.2	..	0.30	2.65	2.92
1.1	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	1.8	0.7	0.6	2.70	3.24	1.00	..	1.0	..	0.5	0.33	2.25	2.55
...	1.5	1.7	...	1.0	2.88	3.78	1.00	1.5	..	0.9	..	0.30	2.25	2.52
1.2	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.1	..	0.5	0.33	3.24	3.54
1.2	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.0	...	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.2	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	°3.2	0.8	0.5	4.05	4.50	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.2	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	..	2.7	..	0.5	0.33	3.78	4.08
...	...	2.7	...	0.9	3.69	4.50	1.20	2.1	..	1.4	..	0.30	2.92	3.19
1.5	1.5	°3.2	0.8	0.5	4.05	4.50	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	2.6	...	0.9	3.60	4.41	1.20	1.6	..	1.0	..	0.33	2.55	2.84
...	...	2.8	...	0.7	3.60	4.23	1.35	2.6	..	1.7	..	0.33	3.45	3.74
...	...	2.5	...	0.8	3.42	4.14	1.35	3.5	..	2.3	..	0.33	4.12	4.42
1.5	1.5	°6.0	0.8	0.5	6.57	7.02	1.00	..	4.3	..	0.5	0.33	5.22	5.52
1.2	1.5	°3.8	0.8	0.5	4.59	5.04	1.00	..	3.3	..	0.5	0.33	4.32	4.62

RATES AND TYPICAL BILLS FOR

in Effect

Rates are quoted on a monthly basis and and a minimum

	Flat-Rate Water Heating per 100 Watts — or Schedule Number		Residential Service									
			House Heating per Kwh (See Notes)	All-Electric Service per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Gross Monthly Bill	Net Monthly Bill for	
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Additional Kwh		250 Kwh	500 Kwh
	¢	No.	¢	¢	No.	¢	¢	¢	¢	$	$	$
Huntsville	..	41	□	...	60	2.4	...	...	1.2	1.11	3.35	6.05
Ingersoll	..	43	□	1.1	50	3.6	1.8	w0.8	1.1	1.80	4.86	7.33
Iroquois	..	40	□/1.2	...	50	2.8	1.4	w0.7	1.1	1.67	3.78	6.25
Jarvis	..	45	□	...	50	3.2	1.6	0.9	1.3	0.83	4.32	6.34
†Jellicoe Townsite	..	45	1.39	...	50	4.4	2.2	w0.9	1.2	2.22	5.94	8.64
Kapuskasing	..	35	□	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07
†Kearns Townsite	..	45	1.22	...	50	3.6	1.8	w0.8	1.1	1.39	4.86	7.33
Kemptville	..	40	1.2	...	50	3.0	1.5	...	0.9	1.67	4.05	6.07
Killaloe Station	..	42	∅	...	50	4.2	2.1	w0.8	1.1	2.22	5.67	8.14
Kincardine	..	43	□	...	50	2.4	1.2	0.7	1.1	1.11	3.24	4.81
King City	..	42	□	...	50	4.8	2.4	w0.8	1.2	2.40	6.48	9.18
†King Kirkland Townsite	..	42	1.22	...	50	3.6	1.8	w0.8	1.1	1.39	4.86	7.33
Kingston	..	38	*1.35	...	50	2.2	1.1	.....	1.0	1.11	2.97	5.22
Kingsville	40	..	..	1.1	50	2.4	1.2	0.7	1.0	0.83	3.24	4.81
Kirkfield	..	40	∅	...	50	3.2	1.6	1.0	1.1	1.67	4.32	6.57
†Kirkland Lake (incl. Swastika)	..	42	1.22	...	50	3.6	1.8	w0.8	1.1	1.39	4.86	7.33
Kitchener	..	39	∅	...	50	2.5	1.2	0.7	1.1	1.30	3.28	4.86
Lakefield	..	34	1.1	...	55	2.8	...	...	1.0	0.83	3.14	5.39
Lambeth	..	43	1.2	1.2	50	3.5	1.7	w0.8	1.3	1.75	4.63	7.56
Lanark	..	39	1.1	...	50	2.2	1.1	0.7	1.0	0.83	2.97	4.54
Lancaster	..	40	..	1.1	50	3.4	1.7	w0.8	1.1	1.70	4.59	7.06
Larder Lake Twp	..	43	1.2	...	60	3.5	...	...	1.1	1.11	3.77	6.25
Latchford	..	43	∅	...	50	3.0	1.5	0.8	1.2	1.39	4.05	5.85
Leamington	..	41	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58
Lindsay	41	..	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Listowel	..	41	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58
§London	..	38	1.1	...	50	3.0	1.5	...	1.0	1.39	4.05	6.30
Long Branch	..	37	1.2	...	60	3.3	...	...	1.0	2.00	3.49	5.74
L'Orignal	..	40	□	1.1	50	3.4	1.7	w0.8	1.1	1.70	4.59	7.06
Lucan	..	45	1.2	...	50	3.2	1.6	1.0	1.4	1.11	4.32	6.57
Lucknow	..	45	1.1	...	55	2.7	...	...	1.0	1.39	3.10	5.35
Lynden	..	43	1.5	...	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85
Madoc	..	40	1.2	1.1	50	2.4	1.2	0.7	1.0	0.83	3.24	4.81
Magnetawan	..	45	1.5	...	50	4.2	2.1	1.2	1.6	2.22	5.67	8.37
Markdale	45	..	1.1	...	60	2.5	...	...	1.0	1.11	3.06	5.31
Markham	..	44	1.2	1.1	50	3.4	1.7	w0.8	1.1	1.70	4.59	7.06
Marmora	..	43	□	...	50	2.8	1.4	0.8	1.1	1.39	3.78	5.58
Martintown	..	38	1.5	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58
Massey	..	45	∅	1.2	50	4.5	2.2	w0.8	1.2	1.67	5.98	8.68
†Matachewan Twp	..	45	1.22	..	50	3.6	1.8	w0.8	1.1	1.39	4.86	7.33

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

*Residential Electric Heating 1.35¢ gross for all monthly consumption over 1,250 kwh per month where total load is on one meter.

For explanatory notes and water-heating schedules see pages 220 to 223.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1963

are subject to 10% prompt payment discount
monthly charge

Commercial Service							Industrial Power Service							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents — Energy Rate per Kwh for Use of Each Kw of Demand: First 100 Hours	Next 100 Hours	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours	Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand: First Block Hours' Use 50	100	Second Block Hours' Use 50	100	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours
¢	¢	¢	¢	¢	$	$	$	¢	¢	¢	¢	¢	$	$
1.2	...	2.2	...	1.1	3.42	4.41	1.20	1.6	..	1.0	..	0.30	2.52	2.79
1.1	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.1	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
1.2	1.5	°3.8	0.8	0.5	4.59	5.04	1.00	..	3.3	..	0.5	0.33	4.32	4.62
1.2	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	...	°3.5	0.8	0.5	4.32	4.77	1.00	..	2.5	..	0.5	0.33	3.60	3.90
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	1.5	2.2	0.8	0.5	3.15	3.60	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.2	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	...	2.4	...	0.8	3.33	4.05	1.20	1.7	..	1.2	..	0.30	2.65	2.92
...	...	°3.1	0.8	0.5	3.96	4.41	1.00	..	2.6	..	0.5	0.33	3.69	3.99
...	1.5	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.61	2.91
...	...	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	...	3.0	...	1.0	4.05	4.95	1.35	3.1	..	2.0	..	0.33	3.81	4.10
...	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.1	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.0	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.2	1.5	°1.8	0.8	0.5	2.79	3.24	1.00	..	1.3	..	0.5	0.33	2.52	2.82
...	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	...	2.2	...	0.8	3.15	3.87	1.35	2.8	..	1.8	..	0.33	3.58	3.88
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.0	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	°3.7	0.8	0.5	4.50	4.95	1.00	..	2.8	..	0.5	0.33	3.87	4.17
...	...	2.0	...	1.0	3.15	4.05	1.20	1.9	..	1.3	..	0.30	2.79	3.06
1.2	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.2	1.5	°4.0	0.8	0.5	4.77	5.22	1.00	..	2.5	..	0.5	0.33	3.60	3.90
1.1	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.4	..	0.5	0.33	3.51	3.81

RATES AND TYPICAL BILLS FOR

in Effect

Rates are quoted on a monthly basis and and a minimum

	Flat-Rate Water Heating per 100 Watts or Schedule Number		Residential Service									
			House Heating per Kwh (See Notes)	All-Electric Service per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Gross Monthly Bill	Net Monthly Bill for	
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Additional Kwh		250 Kwh	500 Kwh
	¢	No.	¢	¢	No.	¢	¢	¢	¢	$	$	$
†Matheson	..	45	1.22	...	50	3.4	1.7	w0.8	1.1	1.39	4.59	7.06
†Mattawa	..	45	1.22	...	50	5.2	2.6	w0.8	1.1	1.67	7.02	9.49
Maxville	..	46	□	1.1	50	3.0	1.5	w0.8	1.1	1.50	4.05	6.52
McGarry	..	40	1.2	...	60	3.5	...	...	1.1	1.11	3.77	6.25
Meaford	..	42	1.1	...	60	2.6	...	...	1.0	0.83	3.11	5.36
Merlin	..	44	1.2	...	60	3.1	...	...	1.0	0.83	3.38	5.63
Merrickville	..	41	□	1.1	50	3.2	1.6	w0.8	1.1	1.60	4.32	6.79
Midland	..	39	1.1	...	50	1.8	0.9	0.7	1.0	1.11	2.43	4.00
Mildmay	..	40	1.1	...	60	2.5	...	...	1.0	1.39	3.06	5.31
Millbrook	..	41	□	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07
Milton	..	43	1.2	...	50	3.2	1.6	1.0	1.4	1.11	4.32	6.57
Milverton	..	43	1.2	...	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07
Mimico	..	37	1.2	...	50	2.6	1.3	...	0.9	1.67	3.51	5.53
Mitchell	..	40	□	...	50	3.4	1.7	w0.8	1.1	1.67	4.59	7.06
Moorefield	..	43	1.2	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58
Morrisburg	..	40	∅	1.1	50	3.0	1.5	w0.8	1.1	1.67	4.05	6.52
Mount Brydges	..	41	1.2	...	50	3.4	1.7	1.0	1.4	1.11	4.59	6.84
Mount Forest	39	..	□	...	50	2.6	1.3	0.8	1.1	0.83	3.51	5.31
Napanee	..	38	□	...	50	2.6	1.3	0.8	1.1	0.83	3.51	5.31
Neustadt	..	37	1.1	...	50	2.0	1.0	0.7	1.0	1.11	2.70	4.27
Newboro	..	38	1.2	...	50	3.8	1.9	...	1.0	2.22	5.13	7.38
Newburgh	..	40	1.5	...	60	4.3	...	...	1.2	1.39	4.37	7.07
Newbury	..	45	1.5	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58
Newcastle	..	42	1.2	1.1	50	2.8	1.4	...	1.0	1.67	3.78	6.03
New Hamburg	..	39	..	1.1	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07
†New Liskeard	..	42	1.22	...	50	4.0	2.0	w0.8	1.1	1.39	5.40	7.87
Newmarket	..	38	1.2	...	50	2.8	1.4	w0.8	1.1	1.40	3.78	6.25
New Toronto	..	37	∅	...	60	2.6	...	...	1.2	0.83	3.46	6.16
Niagara	..	42	1.5	...	60	3.0	...	...	1.4	0.83	4.01	7.16
Niagara Falls	..	40	*1.1	...	50	3.5	1.4	...	0.7	1.75	4.09	5.67
Nipigon Twp	..	37	1.2	1.11	50	3.0	1.2	w0.7	1.0	2.00	3.51	5.76
North Bay	42	..	□	...	60	2.5	...	...	1.2	1.11	3.40	6.10
North York Twp	..	37	∅	1.1	50	3.4	1.6	...	1.1	1.67	4.41	6.88
Norwich	46	..	□	...	60	3.4	...	...	1.2	1.11	3.89	6.59
Norwood	..	42	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Oakville	..	37	1.2	...	50	3.6	1.8	1.0	1.4	1.67	4.86	7.11
Oil Springs	..	45	□	...	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58
Omemee	..	45	□	...	50	3.4	1.7	w0.9	1.1	2.22	4.59	7.06
Orangeville	..	43	1.1	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07
Orillia	..	36	1.33	...	60	2.3	...	...	0.9	0.83	2.78	4.81

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

*Residential Electric Heating 1.1¢ gross per kwh for all monthly consumption over 1,250 kwh per month where total load is on one meter 10% prompt payment discount.

For explanatory notes and water-heating schedules see pages 220 to 223.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1963

are subject to 10% prompt payment discount
monthly charge

Commercial Service							Industrial Power Service							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents; Energy Rate per Kwh for Use of Each Kw of Demand: First 100 Hours	Next 100 Hours	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours	Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand: First Block Hours' Use 50	100	Second Block Hours' Use 50	100	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours
¢	¢	¢	¢	¢	$	$	$	¢	¢	¢	¢	¢	$	$
1.1	1.5	°3.3	0.8	0.5	4.14	4.59	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.1	1.5	°5.2	0.8	0.5	5.85	6.30	1.00	..	3.2	..	0.5	0.33	4.23	4.53
...	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	3.0	...	1.0	4.05	4.95	1.35	3.1	..	2.0	..	0.33	3.81	4.10
1.0	1.5	2.2	...	0.8	3.15	3.87	1.20	2.1	..	1.4	..	0.30	2.92	3.19
...	...	2.6	...	0.7	3.42	4.05	1.35	2.8	..	1.8	..	0.33	3.58	3.88
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	...	°1.5	0.8	0.5	2.52	2.97	1.00	..	0.8	..	0.5	0.33	2.07	2.37
...	1.5	2.0	...	0.9	3.06	3.87	1.20	1.9	..	1.3	..	0.30	2.79	3.06
...	...	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.4	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.3	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.4	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.3	..	0.5	0.33	3.42	3.72
1.1	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.3	..	0.5	0.33	2.52	2.82
...	1.5	°1.6	0.8	0.5	2.61	3.06	1.00	..	1.0	..	0.5	0.33	2.25	2.55
...	...	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.2	...	3.8	...	1.2	4.95	6.03	1.35	2.5	..	1.6	..	0.33	3.36	3.65
...	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.0	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.1	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.2	...	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.4	..	0.5	0.33	2.61	2.91
1.4	...	2.5	...	1.2	3.78	4.86	1.20	2.1	..	1.4	..	0.30	2.92	3.19
1.1	s	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.1	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.2	1.5	2.0	...	0.9	3.06	3.87	1.20	2.1	..	1.4	..	0.30	2.92	3.19
1.2	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.2	...	3.0	...	1.0	4.05	4.95	1.35	2.5	..	1.6	..	0.33	3.36	3.65
1.1	...	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.4	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°3.2	0.8	0.5	4.05	4.50	1.00	..	2.8	..	0.5	0.33	3.87	4.17
...	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.4	..	0.5	0.33	2.61	2.91
...	1.5	1.8	...	0.8	2.79	3.51	1.00	1.4	..	0.9	..	0.30	2.20	2.47

RATES AND TYPICAL BILLS FOR

in Effect

Rates are quoted on a monthly basis and and a minimum

	Flat-Rate Water Heating per 100 Watts or Schedule Number		Residential Service										
			House Heating per Kwh (See Notes)	All-Electric Service per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Gross Monthly Bill	Net Monthly Bill for	
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Additional Kwh		250 Kwh	500 Kwh
	¢	No.	¢	¢	No.	¢	¢	¢	¢	$	$	$
Orono	..	40	..	1.1	50	3.0	1.5	...	1.1	1.50	4.05	6.52
Oshawa	..	34	1.1	...	50	2.2	1.1	0.7	1.0	0.83	2.97	4.54
Ottawa (incl. Eastview & Rockcliffe Park)	32	..	*2.0	...	a 60	◈ 2.0	...	...	◈0.5	0.83	2.80	3.92
					60	1.0						
Otterville	..	44	□	...	50	3.4	1.4	w0.8	1.1	1.50	4.05	6.52
Owen Sound	..	37	1.1	...	60	2.4	...	...	1.1	1.11	3.18	5 65
Paisley	..	43	1.2	...	60	3.5	...	...	1.0	1.39	3.60	5.85
Palmerston	..	43	∅	1.1	50	3.0	1.5	w0.8	1.1	2.22	4.05	6.52
Paris	..	42	1.2	...	60	2.8	...	...	1.3	0.83	3.73	6.66
Parkhill	..	44	1.2	...	50	3.2	1.6	0.9	1.3	1.11	4.32	6.34
Parry Sound	..	42	∅	...	50	3.4	1.7	1.0	1.3	1.11	4.59	6.84
Penetanguishene	..	37	1.1	...	50	2.2	1.1	0.7	1.0	1.11	2.97	4.54
Perth	..	37	1.33	...	50	2.8	1.4	...	1.0	1.67	3.78	6.03
Peterborough	..	36	□	1.1	50	4.7	...	...	1.1	2.35	4.09	6.57
Petrolia	..	45	□	...	50	3.2	1.6	1.0	1.1	0.83	4.32	6.57
Pickering	..	37	□	...	50	3.8	1.9	w0.8	1.1	1.90	5.13	7.60
†Pickle Lake Landing Townsite	..	45	1.22	...	50	4.4	2.2	w0.9	1.2	2.22	5.94	8.64
Picton	41	..	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Plattsville	..	42	∅	...	50	3.4	1.7	w0.8	1.1	1.70	4.59	7.06
Point Edward	..	38	∅	...	50	3.0	1.5	0.9	1.1	1.11	4.05	6.07
Port Arthur	..	38	..	1.11	50	2.4	1.2	w0.8	1.1	1.67	3.24	5.71
Port Burwell	..	45	1.5	...	50	4.4	2.2	1.3	1.6	2.78	5.94	8.86
†Port Carling	..	41	1.22	...	50	4.4	2.2	w0.8	1.2	1.67	5.94	8.64
Port Colborne	..	41	□	...	60	2.8	...	...	1.2	0.83	3.56	6.26
Port Credit	..	38	1.2	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58
Port Dover	..	49	∅	...	50	2.8	1.4	w0.8	1.1	2.22	3.78	6.25
Port Elgin	..	44	□	1.2	50	3.2	1.6	0.9	1.3	2.00	4.32	6.34
Port Hope	..	40	□	1.1	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07
Port McNicoll	..	39	1.1	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Port Perry	..	45	∅	...	50	3.4	1.4	w0.7	1.1	1.70	4.05	6.52
Port Rowan	..	50	1.2	...	50	3.0	1.4	w0.8	1.1	2.22	3.87	6.34
Port Stanley	..	45	1.2	...	50	3.2	1.6	1.0	1.4	1.11	4.32	6.57
†Powassan	..	42	1.22	...	50	3.6	1.8	w0.8	1.1	1.67	4.86	7.33
Prescott	..	37	1.1	...	50	2.4	1.2	w0.6	1.0	1.67	3.24	5.49
Preston	..	36	□	1.1	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07
Priceville	..	47	□	...	50	4.0	2.0	...	1.2	2.00	5.40	8.10
Princeton	..	45	1.1	...	60	3.0	...	...	1.0	1.39	3.33	5.58
Queenston	..	40	1.1	...	50	2.6	1.3	...	0.8	0.83	3.51	5.31
Rainy River	..	48	□	...	50	5.0	2.5	w0.8	1.1	2.50	6.75	9.22
†Red Lake Twp	..	45	1.22	...	50	4.4	2.2	w0.9	1.2	2.22	5.94	8.64
Red Rock	..	32	1.3	1.11	50	2.4	1.2	0.7	1.0	1.67	3.24	4.81

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

*Residential Electric Heating 2.0¢ gross per kwh for all monthly consumption over 1,500 kwh, where total load is on one meter, applicable to customers so designated by utility.

For explanatory notes and water-heating schedules see pages 220 to 223.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1963

are subject to 10% prompt payment discount
monthly charge

Commercial Service							Industrial Power Service							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents; Energy Rate per Kwh for Use of Each Kw of Demand: First 100 Hours	Next 100 Hours	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours	Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand: First Block, Hours' Use 50	First Block, 100	Second Block, 50	Second Block, 100	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours
¢	¢	¢	¢	¢	$	$	$	¢	¢	¢	¢	¢	$	$
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.0	1.5	°1.8	0.8	0.5	2.79	3.24	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	...	2.0	0.8	0.5	2.97	3.42	1.00	..	1.4	..	0.5	0.33	2.61	2.91
...	...	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.5	..	0.5	0.33	3.60	3.90
...	...	°2.0	0.8	0.5	2.97	3.42	1.00	1.5	..	1.1	..	0.30	2.34	2.61
...	1.5	3.0	...	1.0	4.05	4.95	1.35	2.6	..	1.7	..	0.33	3.45	3.74
1.2	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	2.3	...	0.8	3.24	3.96	1.00	1.5	..	1.1	..	0.30	2.34	2.61
1.3	...	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.2	..	0.5	0.33	3.33	3.63
1.3	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	...	°1.6	0.8	0.5	2.61	3.06	1.00	..	1.0	..	0.5	0.33	2.25	2.55
...	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.3	..	0.5	0.33	2.52	2.82
1.1	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	...	3.2	0.8	0.5	4.05	4.50	1.00	..	2.7	..	0.5	0.33	3.78	4.08
...	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.2	1.5	°3.8	0.8	0.5	4.59	5.04	1.00	..	3.3	..	0.5	0.33	4.32	4.62
...	1.5	2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.1	1.5	°3.2	0.8	0.5	4.05	4.50	1.00	..	2.5	..	0.5	0.33	3.60	3.90
...	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	1.5	2.0	0.8	0.5	2.97	3.42	1.00	..	1.3	..	0.5	0.33	2.52	2.82
...	...	°3.4	0.8	0.5	4.23	4.68	1.00	..	2.5	..	0.5	0.33	3.60	3.90
1.6	1.5	4.2	0.8	0.5	4.95	5.40	1.00	..	2.7	..	0.5	0.33	3.78	4.08
1.2	...	2.5	...	1.1	3.69	4.68	1.20	1.9	..	1.3	..	0.30	2.79	3.06
1.4	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.1	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.2	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.1	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	...	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.1	1.5	°3.4	0.8	0.5	4.23	4.68	1.00	..	2.7	..	0.5	0.33	3.78	4.08
1.1	1.5	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.2	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	...	3.8	0.8	0.5	4.59	5.04	1.00	..	2.9	..	0.5	0.33	3.96	4.26
...	...	2.7	...	0.8	3.60	4.32	1.20	2.1	..	1.4	..	0.30	2.92	3.19
...	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	°4.0	0.8	0.5	4.77	5.22	1.00	..	3.0	..	0.5	0.33	4.05	4.35
1.2	1.5	°3.8	0.8	0.5	4.59	5.04	1.00	..	3.3	..	0.5	0.33	4.32	4.62
...	...	°1.7	0.8	0.5	2.70	3.15	1.00	..	0.9	..	0.5	0.33	2.16	2.46

RATES AND TYPICAL BILLS FOR

in Effect

Rates are quoted on a monthly basis and and a minimum

	Flat-Rate Water Heating per 100 Watts or Schedule Number		Residential Service									
			House Heating per Kwh (See Notes)	All-Electric Service per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Gross Monthly Bill	Net Monthly Bill for	
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Additional Kwh		250 Kwh	500 Kwh
	¢	No.	¢	¢	No.	¢	¢	¢	¢	$	$	$
Renfrew	..	36	1.1	...	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08
Richmond	..	35	1.5	...	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85
Richmond Hill	..	40	1.2	1.1	50	3.4	1.7	...	1.0	1.70	4.59	6.84
Ridgetown	..	45	1.2	...	60	2.9	...	...	1.1	0.83	3.45	5.92
Ripley	..	43	□	...	50	2.8	1.4	0.8	1.1	1.39	3.78	5.58
Riverside	..	36	□	1.1	50	3.2	1.5	w0.8	1.1	1.67	4.14	6.61
Rockland	..	40	∅	1.1	50	3.0	1.5	w0.8	1.1	1.67	4.05	6.52
Rockwood	..	45	..	1.2	50	3.4	1.7	1.0	1.4	1.39	4.59	6.84
Rodney	..	45	..	1.1	50	3.2	1.6	w0.8	1.2	1.60	4.32	7.02
Rosseau	..	43	□	...	50	3.4	1.7	1.0	1.4	1.67	4.59	6.84
Russell	..	38	□	...	50	2.6	1.3	w0.8	1.1	1.33	3.51	5.98
St. Catharines	..	42	∅	...	50	3.5	1.3	w0.7	1.1	1.75	3.91	6.39
St. Clair Beach	..	42	□	1.1	50	3.6	1.8	w0.8	1.1	1.67	4.86	7.33
St. George	..	44	1.1	...	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81
St. Jacobs	..	42	1.5	...	60	3.0	...	...	1.1	0.83	3.50	5.98
St. Mary's	43	..	1.1	...	50	3.0	1.5	0.9	1.2	1.39	4.05	6.07
St. Thomas	..	40	□	...	50	3.2	1.6	...	1.1	1.11	4.32	6.79
Sandwich East Twp.	..	41	□	1.2	50	4.0	1.9	...	1.1	1.67	5.22	7.69
Sandwich West Twp.	..	41	1.1	1.2	50	4.0	1.9	...	1.0	1.67	5.22	7.47
Sarnia	..	40	∅	1.1	50	3.8	1.4	w0.7	1.1	1.67	4.23	6.70
Scarborough Twp	..	37	1.2	1.1	50	3.0	1.5	...	1.0	2.22	4.05	6.30
Schreiber Twp	..	37	1.2	1.11	50	3.0	1.1	w0.7	1.0	2.00	3.33	5.58
Seaforth	..	36	□	1.1	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85
Shelburne	..	43	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58
Simcoe	..	41	1.1	...	50	2.2	1.1	0.7	1.0	1.11	2.97	4.54
Sioux Lookout	..	49	□	...	50	4.0	1.5	w0.9	1.2	2.00	4.50	7.20
Smith's Falls	..	40	..	1.1	50	3.0	1.5	w0.8	1.1	1.50	4.05	6.52
Smithville	..	44	□	...	60	3.2	...	...	1.2	0.83	3.78	6.48
Southampton	..	45	□	...	50	3.2	...	...	1.1	1.11	3.42	5.89
†South Porcupine Townsite	..	42	1.22	...	50	3.4	1.7	w0.8	1.1	1.39	4.59	7.06
South River	..	45	1.2	...	50	6.0	3.0	...	1.6	1.67	8.10	11.70
Springfield	..	41	1.5	...	50	2.6	1.3	0.7	1.0	0.83	3.51	5.08
Stayner	..	41	1.1	...	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81
Stirling	..	38	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58
Stoney Creek	..	41	□	1.1	50	3.0	1.5	0.8	1.2	1.39	4.05	5.85
Stouffville	..	44	1.2	...	50	3.4	1.7	1.0	1.4	1.11	4.59	6.84
Stratford	..	40	□	1.1	60	2.9	...	...	1.2	0.83	3.62	6.32
Strathroy	..	37	□	...	50	3.8	1.4	0.8	1.1	2.00	4.23	6.03
Streetsville	..	43	1.2	1.1	50	4.0	1.3	w0.7	1.1	2.00	4.14	6.61
Sturgeon Falls	..	40	□	...	50	3.2	1.6	...	1.2	2.22	4.32	7.02

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

For explanatory notes and water-heating schedules see pages 220 to 223.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1963

are subject to 10% prompt payment discount
monthly charge

Commercial Service							Industrial Power Service							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents — Energy Rate per Kwh for Use of Each Kw of Demand: First 100 Hours	Next 100 Hours	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours	Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand: First Block Hours' Use 50	100	Second Block Hours' Use 50	100	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours
¢	¢	¢	¢	¢	$	$	$	¢	¢	¢	¢	¢	$	$
...	...	°1.8	0.8	0.5	2.79	3.24	1.00	..	1.2	..	0.5	0.33	2.43	2.73
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54
1.4	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	...	2.4	...	0.9	3.42	4.23	1.35	2.2	..	1.4	..	0.33	3.13	3.43
...	..	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	1.5	°2.4	0.8	0.5	3.33	3.78	1 00	..	1.7	..	0.5	0.33	2.88	3.18
...	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	...	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.5	..	0.5	0.33	3.60	3.90
...	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.1	...	2.3	0.8	0.5	3.24	3.69	1.20	1.9	..	1.3	..	0.30	2.79	3.06
...	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	...	2.5	...	1.0	3.60	4.50	1.20	1.7	..	1.2	..	0.30	2.65	2.92
...	...	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.1	1.5	°3.1	0.8	0.5	3.96	4.41	1.00	..	2.6	..	0.5	0.33	3.69	3.99
1.0	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	1.5	°3.1	0.8	0.5	3.96	4.41	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.2	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.1	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.0	1.5	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.61	2.91
1.2	1.5	3.5	0.8	0.5	4.32	4.77	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.1	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.4	..	0.5	0.33	2.61	2.91
...	...	2.8	...	1.1	3.96	4.95	1.35	2.5	..	1.6	..	0.33	3.36	3.65
...	1.5	2.9	...	1.1	4.05	5.04	1.35	2.2	..	1.4	..	0.33	3.13	3.43
1.1	1.5	°3.3	0.8	0.5	4.14	4.59	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	1.5	°5.3	0.8	0.5	5.94	6.39	1.00	..	4.5	..	0.5	0.33	5.40	5.70
...	...	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.4	..	0.5	0.33	2.61	2.91
1.0	1.5	°1.8	0.8	0.5	2.79	3.24	1.00	..	1.3	..	0.5	0.33	2.52	2.82
...	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.3	..	0.5	0.33	2.52	2.82
1.2	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	°3.1	0.8	0.5	3.96	4.41	1.00	..	2.5	..	0.5	0.33	3.60	3.90
...	...	2.4	...	0.7	3.24	3.87	1.20	1.7	..	1.2	..	0.30	2.65	2.92
1.1	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45
1.2	1.5	2.6	0.8	0.5	3.51	3.96	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45

RATES AND TYPICAL BILLS FOR

in Effect

Rates are quoted on a monthly basis and
and a minimum

	Flat-Rate Water Heating per 100 Watts — or Schedule Number		Residential Service									
			House Heating per Kwh (See Notes)	All-Electric Service per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Gross Monthly Bill	Net Monthly Bill for	
						First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Additional Kwh		250 Kwh	500 Kwh
	¢	No.	¢	¢	No.	¢	¢	¢	¢	$	$	$
Sudbury	..	37	□	...	60	2.6	...	...	1.2	1.11	3.46	6.16
Sunderland	..	40	□	...	50	2.6	1.3	0.7	1.1	1.11	3.51	5.08
Sundridge	..	43	∅	...	50	2.8	1.4	w0.8	1.1	2.22	3.78	6.25
Sutton	..	45	∅	...	50	4.0	1.7	w0.7	1.1	2.00	4.86	7.33
Swansea	..	37	1.2	1.1	50	2.8	1.4	...	1.0	1.67	3.78	6.03
Tara	..	41	1.1	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Tavistock	..	*33	1.1	...	50	3.2	1.4	w0.6	1.2	1.67	3.96	6.66
Tecumseh	..	41	□	1.1	50	3.6	1.8	w0.8	1.1	1.67	4.86	7.33
Teeswater	..	42	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Terrace Bay Twp	..	36	1.3	1.11	50	2.6	1.3	...	0.9	1.67	3.51	5.53
Thamesford	..	45	1.2	...	50	3.4	1.7	1.0	1.4	1.11	4.59	6.84
Thamesville	..	45	□	...	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58
Thedford	..	45	□	...	50	3.0	1.5	w0.8	1.1	1.67	4.05	6.52
Thessalon	..	48	□	1.2	50	4.0	2.0	...	1.2	2.22	5.40	8.10
Thornbury	..	42	□	...	60	3.5	...	...	1.3	1.11	4.11	7.04
Thorndale	..	42	1.2	...	50	3.2	1.6	1.0	1.4	1.11	4.32	6.57
†Thornloe	..	42	1.39	...	50	4.0	2.0	w0.8	1.1	1.39	5.40	7.87
Thornton	..	39	1.1	...	60	3.8	...	...	1.0	1.39	3.76	6.01
Thorold	..	40	∅	...	50	4.0	2.1	w0.8	1.2	2.22	5.58	8.28
Tilbury	..	45	1.2	1.1	50	3.0	1.5	0.9	1.2	0.83	4.05	6.07
Tillsonburg	..	40	□	...	50	3.0	1.5	0.8	1.2	1.67	4.05	5.85
†Timmins (incl. Schumacher)	..	42	1.22	...	50	3.4	1.7	w0.8	1.1	1.39	4.59	7.06
Toronto (incl. Leaside)	◎	..	□	1.1	60	2.0	...	...	1.4	0.83	3.47	6.62
dToronto Twp	..	37	∅	...	50	Min.	1.4	w0.7	1.0	2.00	4.80	7.30
Tottenham	..	43	∅	...	50	2.6	1.3	0.8	1.1	1.39	3.51	5.31
Trenton	..	34	1.1	1.1	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81
Tweed	..	37	1.1	...	50	2.4	1.2	w0.7	1.0	1.50	3.24	5.49
Uxbridge	..	39	1.1	...	50	2.6	1.3	0.7	1.0	1.11	3.51	5.08
Vankleek Hill	..	39	□	1.1	50	3.2	1.6	w0.8	1.1	1.60	4.32	6.79
Victoria Harbour	..	43	1.1	...	60	3.2	...	...	1.3	1.39	3.95	6.88
Walkerton	38	..	□	...	50	2.6	1.3	0.8	1.1	1.11	3.51	5.31
Wallaceburg	..	41	1.1	...	50	2.4	1.2	0.7	1.0	1.11	3.24	4.81
Wardsville	..	45	1.1	...	60	3.6	...	...	0.9	1.11	3.48	5 51
Warkworth	..	41	...	1.1	50	3.4	1.7	w0.8	1.1	1.70	4.59	7.06
Wasaga Beach	..	42	□	...	50	3.6	1.8	...	1.1	1.67	4.86	7.33
Waterdown	..	40	□	...	60	2.6	...	...	1.2	0.83	3.46	6.16
Waterford	..	42	□	...	50	3.2	1.6	0.9	1.3	1.39	4.32	6.34
Waterloo	..	35	□	...	60	2.6	...	...	1.1	0.83	3.28	5.76
Watford	..	45	□	...	50	2.8	1.4	0.8	1.1	1.11	3.78	5.58
Waubaushene	..	42	1.1	...	60	3.2	...	...	1.2	1.39	3.78	6.48

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

*Applicable to FRWH of 750 watts & above; For FRWH of 700 watts or below apply Schedule 39

For explanatory notes and water-heating schedules see pages 220 to 223.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1963

are subject to 10% prompt payment discount
monthly charge

Commercial Service							Industrial Power Service							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents — Energy Rate per Kwh for Use of Each Kw of Demand: First 100 Hours	Next 100 Hours	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours	Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand: First Block Hours' Use 50	100	Second Block Hours' Use 50	100	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours
¢	¢	¢	¢	¢	$	$	$	¢	¢	¢	¢	¢	$	$
1.2	1.5	2.4	...	1.2	3.69	4.77	1.35	2.0	..	1.3	..	0.33	3.00	3.29
...	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.4	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.1	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.5	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	1.5	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.4	...	°2.9	0.8	0.5	3.78	4.23	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.1	...	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.3	..	0.5	0.33	3.42	3.72
...	1.5	°3.8	0.8	0.5	4.59	5.04	1.00	..	3.2	..	0.5	0.33	4.23	4.53
...	1.5	3.1	...	1.3	4.41	5.58	1.20	1.9	..	1.3	..	0.30	2.79	3.06
...	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.1	1.5	°3.6	0.8	0.5	4.41	4.86	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	...	3.3	...	1.0	4.32	5.22	1.35	2.8	..	1.8	..	0.33	3.58	3.88
1.3	1.5	3.3	0.8	0.5	4.14	4.59	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	1.5	°2.5	0.8	0.5	3.42	3.87	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	1.5	°3.3	0.8	0.5	4.14	4.59	1.00	..	2.4	..	0.5	0.33	3.51	3.81
1.2	s	b2.1	...	0.7	3.28	3.91	1.10	2.1	..	1.4	..	0.38	2.91	3.25
1.4	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	1.5	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54
1.0	1.5	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.3	..	0.5	0.33	2.52	2.82
1.0	1.5	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.3	..	0.5	0.33	2.52	2.82
1.0	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
...	...	2.7	...	1.3	4.05	5.22	1.35	2.8	..	1.8	..	0.33	3.58	3.88
...	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.4	..	0.5	0.33	2.61	2.91
...	...	°1.9	0.8	0.5	2.88	3.33	1.00	..	1.3	..	0.5	0.33	2.52	2.82
...	...	3.2	...	0.8	4.05	4.77	1.35	2.8	..	1.8	..	0.33	3.58	3.88
1.1	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	2.1	..	0.5	0.33	3.24	3.54
...	...	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.5	..	0.5	0.33	3.60	3.90
1.2	1.5	2.2	...	1.2	3.51	4.59	1.20	1.9	..	1.3	..	0.30	2.79	3.06
...	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	...	2.2	...	1.0	3.33	4.23	1.20	2.1	..	1.4	..	0.30	2.92	3.19
1.1	...	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	2.6	...	1.2	3.87	4.95	1.35	3.2	..	2.1	..	0.33	3.90	4.19

RATES AND TYPICAL BILLS FOR

in Effect

Rates are quoted on a monthly basis and and a minimum

	Flat-Rate Water Heating per 100 Watts	Residential Service									
	or **Schedule Number**	House Heating per Kwh (See Notes)	All-Electric Service per Kwh (See Notes)	Number of Kwh Supplied in First Block	Rate per Kwh for				Minimum Gross Monthly Bill	Net Monthly Bill for	
					First Block of Kwh	Next 200 Kwh	Next 500 Kwh	All Additional Kwh		250 Kwh	500 Kwh
	¢ No.	¢	¢	No.	¢	¢	¢	¢	$	$	$
Webbwood	.. **43**	...	1.2	50	5.2	2.6	...	1.2	2.50	7.02	9.72
Welland	.. **41**	1.1	...	50	3.2	1.6	...	0.9	1.67	4.32	6.34
Wellesley	.. **42**	□	1.1	50	4.0	1.4	w0.8	1.1	2.00	4.32	6.79
Wellington	.. **46**	..	1.1	50	3.0	1.5	w0.9	1.1	1.50	4.05	6.52
West Ferris Twp	.. **37**	□	1.2	50	3.6	1.8	...	1.2	2.22	4.86	7.56
West Lorne	.. **43**	..	1.1	50	3.0	1.5	w0.8	1.1	1.11	4.05	6.52
Weston	.. **37**	∅	1.1	50	3.0	1.5	0.8	1.2	1.67	4.05	5.85
Westport	.. **38**	1.5	...	50	2.4	1.2	0.7	1.0	0.83	3.24	4.81
Wheatley	.. **45**	..	1.2	60	3.3	...	...	1.2	1.11	3.83	6.53
Whitby	.. **36**	1.2	1.1	50	3.0	1.5	0.8	1.2	1.11	4.05	5.85
†White River	.. **60**	1.39	...	50	Min.	3.6	w1.0	1.4	3.75	9.85	13.00
Wiarton	.. **43**	1.1	...	50	2.8	1.4	...	1.0	1.11	3.78	6.03
Williamsburg	.. **45**	□	...	50	2.6	1.3	w0.8	1.1	1.30	3.51	5.98
Winchester	.. **41**	∅	...	50	2.6	1.3	w0.8	1.1	1.39	3.51	5.98
Windermere	45 ..	□	...	50	3.2	1.6	1.0	1.4	1.67	4.32	6.57
Windsor	.. **36**	∅	...	50	2.4	1.2	*0.7	1.1	0.83	3.24	4.81
Wingham	.. **43**	□	...	50	2.4	1.2	0.7	1.1	1.11	3.24	4.81
Woodbridge	.. **42**	1.2	...	50	2.8	1.4	0.8	1.1	0.83	3.78	5.58
Woodstock	.. **36**	1.2	...	50	3.0	1.5	0.9	1.2	1.11	4.05	6.07
Woodville	.. **42**	∅	...	50	3.6	1.2	w0.7	1.1	1.67	3.78	6.25
Wyoming	.. **45**	∅	...	50	2.6	1.3	0.7	1.1	0.83	3.51	5.08
York Twp	.. **37**	1.2	...	50	2.6	1.3	0.8	1.1	1.67	3.51	5.31
Zurich	.. **45**	□	1.2	60	3.7	...	...	1.2	0.83	4.05	6.75

†Retail service provided by The Hydro-Electric Power Commission of Ontario.

*Next 1,000 Kwh.

NOTES

Service Charges

a 33¢ per month per service when the permanently installed appliance load is under 2,000 watts and 66¢ per month when 2,000 watts or more.

b Demand rate 8.5¢ per 100 watts, minimum 50¢.

House Heating

Applicable where electric energy is used to heat an entire dwelling or a portion of a dwelling in excess of 25% of the floor area.

□ Energy supplied through residential service meter at standard rates.

∅ Energy metered separately at end residential rate or, energy supplied through residential service meter at standard rates.

All-Electric Service

Applicable to all energy sold to residential customers using all-electric house heating and electric water heating supplied through the residential service meter.

§ Farm customers billed at standard rural rates.

§§ Farm customers billed at special rates.

MUNICIPAL ELECTRICAL SERVICE

December 31, 1963

are subject to 10% prompt payment discount
monthly charge

Commercial Service							Industrial Power Service							
Commercial Cooking per Kwh	Space Heating per Kwh (Alternative to Regular Rate)	Demand Rate per 100 Watts 5.0 Cents, Minimum 50 Cents — Energy Rate per Kwh for Use of Each Kw of Demand: First 100 Hours	Next 100 Hours	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours	Demand Rate per Kw	Energy Rate per Kwh for Use of Each Kw of Demand: First Block Hours' Use 50	100	Second Block Hours' Use 50	100	All Additional Hours	Net Monthly Bill for Use of 1 Kw of Demand: 200 Hours	300 Hours
¢	¢	¢	¢	¢	$	$	$	¢	¢	¢	¢	¢	$	$
...	1.5	°4.5	0.8	0.5	5.22	5.67	1.00	..	2.5	..	0.5	0.33	3.60	3.90
1.0	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	1.7	..	0.5	0.33	2.88	3.18
1.5	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.1	...	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.7	..	0.5	0.33	3.78	4.08
...	1.5	°3.0	0.8	0.5	3.87	4.32	1.00	..	2.0	..	0.5	0.33	3.15	3.45
...	...	°2.6	0.8	0.5	3.51	3.96	1.00	..	2.1	..	0.5	0.33	3.24	3.54
1.2	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.7	..	0.5	0.33	2.88	3.18
...	...	2.9	...	1.2	4.14	5.22	1.35	2.5	..	1.6	..	0.33	3.36	3.65
1.2	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.6	1.5	°5.8	0.8	0.5	6.39	6.84	1.00	..	5.1	..	0.5	0.33	5.94	6.24
...	...	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
...	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	2.4	..	0.5	0.33	3.51	3.81
...	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.6	..	0.5	0.33	2.79	3.09
...	1.5	°2.8	0.8	0.5	3.69	4.14	1.00	..	2.3	..	0.5	0.33	3.42	3.72
1.0	1.5	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	...	°2.1	0.8	0.5	3.06	3.51	1.00	..	1.6	..	0.5	0.33	2.79	3.09
1.1	1.5	°2.3	0.8	0.5	3.24	3.69	1.00	..	1.8	..	0.5	0.33	2.97	3.27
1.2	...	°2.2	0.8	0.5	3.15	3.60	1.00	..	1.5	..	0.5	0.33	2.70	3.00
1.2	1.5	°2.7	0.8	0.5	3.60	4.05	1.00	..	2.2	..	0.5	0.33	3.33	3.63
...	1.5	°2.4	0.8	0.5	3.33	3.78	1.00	..	1.9	..	0.5	0.33	3.06	3.36
1.1	1.5	°2.0	0.8	0.5	2.97	3.42	1.00	..	1.5	..	0.5	0.33	2.70	3.00
...	...	3.4	...	0 9	4.32	5.13	1.35	3.1	..	2.0	..	0.33	3.81	4.10

NOTES

Special Rates or Discounts

◈ First 60 kwh of monthly consumption at 2.0¢, second 60 kwh and all kwh in excess of 1,000 at 1.0¢

◎ Flat-rate water-heating service—Toronto:

System-owned—First 400 watts $2.90 per month.
Each 100 watts additional 40¢ per month, plus a monthly charge for larger tank sizes as follows:
30¢ for 1,000-watt and 1,200-watt heaters.
40¢ for 1,500-watt heaters.
50¢ for 2,000-watt and 2,500-watt heaters.
55¢ for heaters 3,000 watts and over.

Customer-owned —First 400 watts $1.98 per month.
Each 100 watts additional 40¢ per month.

w Special rate for metered water-heating customers only. When loads are subject to central control, these rates may be somewhat lower.

d Residential rates are net.

s Special rate available for selected categories.

° Commercial customers with a connected load of under 5 kilowatts billed at residential rates.

Municipal Electrical

GROSS MONTHLY ENERGY RATES

Subject to 10%

Element rating	Schedule																
	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41
watts	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$
400	1.00	1.04	1.08	1.12	1.16	1.20	1.24	1.28	1.32	1.36	1.40	1.44	1.48	1.52	1.56	1.60	1.64
450	1.12	1.17	1.21	1.26	1.30	1.36	1.40	1.44	1.49	1.53	1.58	1.62	1.67	1.71	1.76	1.80	1.84
500	1.25	1.30	1.35	1.40	1.45	1.50	1.55	1.60	1.65	1.70	1.75	1.80	1.85	1.90	1.95	2.00	2.05
550	1.38	1.43	1.49	1.54	1.60	1.66	1.70	1.76	1.81	1.87	1.92	1.98	2.03	2.09	2.14	2.20	2.26
600	1.50	1.56	1.62	1.68	1.74	1.80	1.86	1.92	1.98	2.04	2.10	2.16	2.22	2.28	2.34	2.40	2.46
650	1.59	1.66	1.71	1.78	1.84	1.91	1.97	2.03	2.10	2.16	2.22	2.29	2.36	2.41	2.48	2.54	2.61
700	1.68	1.74	1.81	1.88	1.94	2.01	2.08	2.14	2.21	2.28	2.34	2.41	2.48	2.54	2.61	2.68	2.74
750	1.78	1.84	1.91	1.99	2.06	2.12	2.20	2.27	2.34	2.41	2.48	2.56	2.62	2.69	2.77	2.83	2.91
800	1.86	1.93	2.00	2.08	2.16	2.22	2.30	2.38	2.44	2.52	2.60	2.67	2.74	2.82	2.90	2.97	3.04
850	1.94	2.02	2.10	2.18	2.26	2.33	2.41	2.49	2.57	2.64	2.72	2.80	2.88	2.96	3.03	3.11	3.19
900	2.04	2.12	2.20	2.29	2.37	2.44	2.53	2.61	2.69	2.78	2.86	2.93	3.02	3.10	3.18	3.27	3.34
950	2.13	2.22	2.30	2.39	2.48	2.56	2.64	2.73	2.81	2.90	2.99	3.07	3.16	3.24	3.33	3.41	3.50
1,000	2.22	2.31	2.40	2.49	2.58	2.67	2.76	2.84	2.93	3.02	3.11	3.20	3.29	3.38	3.47	3.56	3.64
1,000/3,000	2.36	2.46	2.55	2.64	2.74	2.83	2.93	3.02	3.12	3.21	3.31	3.40	3.49	3.59	3.68	3.78	3.87
1,500/4,500	3.54	3.68	3.82	3.97	4.11	4.25	4.39	4.53	4.67	4.82	4.96	5.10	5.24	5.38	5.52	5.67	5.81

NOTE: Gross monthly rates for all balanced element sizes over 1,000 watts are calculated as follows:

$$\text{Rate for 1,000-watt element} \times \frac{\text{Element rating}}{1{,}000}$$

Service

FOR FLAT-RATE WATER HEATING

prompt payment discount

NUMBER

42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60
$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$	$
1.68	1.72	1.76	1.80	1.84	1.88	1.92	1.96	2.00	2.04	2.08	2.12	2.16	2.20	2.24	2.28	2.32	2.36	2.40
1.89	1.93	1.98	2.02	2.07	2.11	2.16	2.20	2.26	2.29	2.34	2.38	2.42	2.47	2.52	2.56	2.60	2.66	2.72
2.10	2.15	2.20	2.25	2.30	2.35	2.40	2.45	2.50	2.55	2.60	2.65	2.70	2.75	2.80	2.85	2.90	2.95	3.00
2.31	2.37	2.42	2.48	2.53	2.59	2.64	2.70	2.76	2.81	2.86	2.92	2.98	3.03	3.08	3.14	3.20	3.26	3.32
2.52	2.58	2.64	2.70	2.76	2.82	2.88	2.94	3.00	3.06	3.12	3.18	3.24	3.30	3.36	3.42	3.48	3.54	3.60
2.67	2.73	2.80	2.86	2.92	2.99	3.06	3.11	3.18	3.25	3.32	3.37	3.42	3.49	3.56	3.62	3.68	3.75	3.82
2.81	2.88	2.94	3.01	3.08	3.14	3.21	3.28	3.34	3.42	3.48	3.55	3.62	3.69	3.76	3.82	3.88	3.95	4.02
2.98	3.04	3.12	3.19	3.26	3.33	3.40	3.48	3.54	3.62	3.68	3.75	3.82	3.90	3.98	4.05	4.12	4.18	4.24
3.12	3.19	3.27	3.34	3.41	3.49	3.57	3.63	3.71	3.79	3.86	3.93	4.00	4.08	4.16	4.24	4.32	4.38	4.44
3.27	3.34	3.42	3.50	3.58	3.66	3.73	3.81	3.90	3.96	4.04	4.12	4.20	4.28	4.36	4.44	4.52	4.59	4.66
3.42	3.51	3.59	3.67	3.76	3.83	3.91	4.00	4.08	4.16	4.24	4.32	4.40	4.49	4.58	4.66	4.74	4.81	4.88
3.59	3.67	3.76	3.84	3.92	4.01	4.10	4.18	4.27	4.35	4.44	4.52	4.60	4.69	4.78	4.87	4.96	5.04	5.12
3.73	3.82	3.91	4.00	4.09	4.18	4.27	4.36	4.44	4.53	4.62	4.71	4.80	4.89	4.98	5.07	5.16	5.25	5.34
3.97	4.06	4.16	4.25	4.34	4.44	4.53	4.63	4.72	4.82	4.91	5.01	5.10	5.19	5.29	5.38	5.48	5.57	5.67
5.95	6.09	6.23	6.37	6.52	6.66	6.80	6.94	7.08	7.22	7.37	7.51	7.65	7.79	7.93	8.07	8.22	8.36	8.50

CUSTOMERS, REVENUE,
for the Year Ended
In Forty Major Municipal
(Arranged in descending order

	Total Revenue (including Street Lighting)	Total Consumption (including Street Lighting)	Residential Service (including flat-rate water-heaters)				
			Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	$	kwh	$	kwh	No.	kwh	¢
Toronto (including Leaside)	40,698,054	3,555,304,154	12,077,354	959,449,053	178,318	448	1.26
Hamilton	18,670,870	2,527,052,807	4,336,123	408,891,398	75,040	454	1.06
Ottawa (including Eastview and Rockcliffe Park)	12,255,269	1,279,046,803	4,992,804	663,518,580	83,821	660	0.75
North York Twp.	13,426,453	1,119,308,424	7,139,784	615,727,577	94,870	541	1.16
Sarnia	7,561,572	1,104,932,673	883,746	62,491,163	14,629	356	1.41
Scarborough Twp.	9,732,401	829,095,456	5,178,640	443,789,424	67,405	549	1.17
Etobicoke Twp.	8,856,115	809,496,472	4,206,627	390,588,519	55,775	584	1.08
London	7,470,696	664,361,420	3,126,476	249,892,720	51,589	404	1.25
St. Catharines	5,132,529	505,605,033	1,749,224	139,646,316	24,239	480	1.25
Windsor	4,855,213	435,471,768	1,492,752	135,380,786	34,923	323	1.10
Oshawa	3,557,397	435,068,930	1,177,148	144,181,666	19,387	620	0.82
Kitchener	4,139,443	402,652,977	1,609,614	159,378,797	24,400	544	1.01
York Twp.	4,030,848	375,323,336	2,273,220	219,973,194	39,493	464	1.03
Toronto Twp.	3,868,697	365,843,295	1,486,758	124,287,008	17,267	600	1.20
Oakville	3,317,049	351,621,339	1,166,528	97,403,963	12,741	637	1.20
Sudbury	2,992,606	233,180,309	1,659,458	151,649,356	21,905	577	1.09
Brantford	2,362,530	232,260,506	980,072	87,461,852	15,750	463	1.12
Peterborough	2,366,248	226,960,685	1,098,816	97,447,198	14,428	563	1.13
Kingston	2,448,065	226,820,239	1,065,896	101,909,930	14,347	592	1.05
Port Arthur	2,371,366	219,271,499	931,479	89,996,859	12,607	595	1.04
Fort William	1,869,108	212,554,733	804,702	104,247,680	12,734	682	0.77
East York Twp.	2,253,715	208,942,006	1,346,274	125,491,563	23,125	452	1.07
Guelph	2,378,364	197,398,194	944,000	73,334,686	11,854	516	1.29
Burlington	2,343,333	186,957,624	1,420,318	112,373,498	14,290	655	1.26
Niagara Falls	2,149,253	178,788,107	976,346	82,568,645	15,852	434	1.18
New Toronto	1,350,907	164,461,967	234,745	22,242,068	3,893	476	1.06
Welland	1,745,261	150,374,140	530,621	35,620,359	10,380	286	1.49
Galt	1,471,669	132,781,505	602,145	52,366,574	8,980	§488	1.15
Belleville	1,286,447	130,189,144	621,298	66,462,539	9,541	580	0.93
Chatham	1,711,516	110,858,544	495,203	29,172,827	8,487	286	1.70
Waterloo	1,220,760	107,679,297	468,651	46,306,945	6,807	567	1.01
Barrie	1,058,802	105,983,768	476,086	47,839,091	6,808	586	1.00
Woodstock	1,101,327	104,205,931	475,738	43,564,859	6,909	525	1.09
Brampton	1,163,860	102,331,913	566,875	46,896,783	7,228	541	1.21
Stratford	1,111,992	94,764,151	464,869	40,651,172	6,506	521	1.14
St. Thomas	1,082,095	92,854,041	511,890	40,628,850	7,527	450	1.26
Port Credit	730,978	92,362,395	177,133	16,919,996	2,688	525	1.05
Trenton	775,961	90,793,440	248,140	26,392,318	3,978	553	0.94
Brockville	919,937	87,850,183	407,126	36,002,514	5,847	513	1.13
North Bay	1,055,589	85,779,875	497,910	43,677,722	6,687	544	1.14

§Estimated.

AND CONSUMPTION
December 31, 1963
Electrical Utilities
of total consumption)

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
9,533,660	670,938,787	25,446	2,197	1.42	17,991,128	1,870,033,689	7,223	464,217	21,575	0.96
2,726,605	237,995,013	9,164	2,164	1.15	11,126,692	1,858,926,559	1,659	331,335	93,376	0.60
6,341,546	551,626,611	11,446	4,016	1.15	503,149	48,595,052	199	16,417	20,350	1.04
3,919,090	294,595,920	5,548	4,425	1.33	2,052,688	191,667,327	817	60,911	19,550	1.07
533,274	34,951,311	864	3,371	1.53	6,056,652	1,004,420,199	173	127,449	483,825	0.60
2,156,721	170,786,995	2,970	4,792	1.26	2,041,751	199,770,557	395	57,662	42,146	1.02
1,633,597	120,798,412	2,387	4,217	1.35	2,666,995	284,769,574	891	74,206	26,634	0.94
1,823,321	143,187,585	2,744	4,349	1.27	2,327,806	263,354,475	540	66,760	40,641	0.88
840,839	53,611,461	2,428	1,840	1.57	2,405,338	305,600,056	298	64,972	85,459	0.79
934,121	73,043,914	1,998	3,047	1.28	2,071,206	215,545,588	834	64,961	21,537	0.96
538,748	47,210,217	1,742	2,258	1.14	1,723,583	238,128,051	294	52,251	67,497	0.72
724,620	56,238,267	1,424	3,291	1.29	1,664,532	180,825,740	355	48,205	42,447	0.92
847,796	67,769,042	1,645	3,433	1.25	740,987	81,392,614	163	22,166	41,612	0.91
615,266	46,176,475	664	5,795	1.33	1,630,345	191,650,172	220	38,479	72,595	0.85
465,995	34,122,461	731	3,890	1.37	1,638,157	218,444,859	144	38,683	126,415	0.75
921,188	56,088,225	2,116	2,209	1.64	261,233	21,024,236	297	7,696	5,899	1.24
434,071	36,189,479	1,623	1,858	1.20	874,088	105,347,175	300	29,814	29,263	0.83
442,458	35,221,506	696	4,217	1.26	727,551	90,656,781	261	23,902	28,945	0.80
853,934	71,002,471	2,287	2,587	1.20	449,444	50,885,918	225	15,397	18,847	0.88
625,434	52,904,684	1,727	2,553	1.18	728,736	72,690,356	56	26,291	108,170	1.00
446,623	44,538,722	1,584	2,343	1.00	503,413	59,642,331	198	20,708	25,102	0.84
511,291	45,379,044	982	3,851	1.13	305,516	34,048,799	86	9,616	32,993	0.90
441,254	29,015,574	1,063	2,275	1.52	878,177	91,820,254	131	23,737	58,410	0.96
425,996	30,538,414	679	3,748	1.39	467,287	43,031,152	148	13,370	24,229	1.09
663,368	52,998,495	987	4,475	1.25	383,919	38,948,527	96	11,810	33,809	0.99
151,612	12,302,570	257	3,989	1.23	945,256	129,199,436	40	26,469	269,165	0.73
319,303	21,891,369	615	2,966	1.46	818,457	90,423,484	82	22,587	91,894	0.91
234,364	15,731,312	552	§2,241	1.49	566,814	62,167,099	146	18,448	35,484	0.91
342,464	28,355,938	771	3,065	1.21	273,461	33,246,267	138	9,283	20,076	0.82
489,888	24,002,071	1,238	1,616	2.04	630,382	54,439,246	269	16,765	16,865	1.16
359,300	24,712,029	672	3,064	1.45	338,353	34,538,883	96	9,375	29,982	0.98
298,627	22,289,089	557	3,335	1.34	271,229	34,863,308	119	10,323	24,414	0.78
164,871	12,022,171	375	2,672	1.37	419,722	46,449,701	139	12,750	27,848	0.90
222,342	17,263,078	349	4,122	1.29	334,640	37,049,952	100	8,945	30,875	0.90
237,442	16,554,811	704	1,960	1.43	355,153	35,374,168	158	11,539	18,657	1.00
191,094	13,781,834	439	2,616	1.39	352,302	37,495,229	132	9,863	23,671	0.94
90,600	6,917,523	173	3,332	1.31	448,872	67,985,900	11	10,093	515,045	0.66
103,740	8,391,542	265	2,639	1.24	399,943	55,134,500	72	11,451	63,813	0.73
200,342	15,420,653	401	3,205	1.30	282,576	35,290,376	47	9,306	62,572	0.80
379,200	27,394,042	1,186	1,925	1.38	148,696	13,444,311	149	4,379	7,519	1.11

CUSTOMERS, REVENUE,

for the Year Ended

(By Municipalities

	Population	Total Customers	Peak Load December 1963	Residential Service (including flat-rate water-heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	No.	No.	kw	$	kwh	No.	kwh	¢
Acton	4,354	1,329	4,816	94,104	8,225,306	1,216	564	1.14
Ailsa Craig	521	230	462	10,680	929,460	205	378	1.15
Ajax	8,111	2,299	7,778	155,553	12,195,756	2,144	474	1.28
Alexandria	2,536	919	2,719	54,683	5,128,632	831	514	1.07
Alfred	983	319	785	19,699	1,573,930	289	454	1.25
Alliston	3,057	1,185	2,825	62,776	5,963,150	990	502	1.05
Almonte	3,481	1,128	2,432	74,198	6,829,955	1,046	544	1.09
Alvinston	644	329	333	11,411	604,963	298	169	1.89
Amherstburg	4,381	1,403	3,877	90,465	8,369,757	1,245	560	1.08
Ancaster Twp. (including Ancaster)	14,049	1,127	2,897	114,318	8,841,967	1,043	706	1.29
Apple Hill	400	119	137	4,864	320,510	101	264	1.52
Arkona	455	195	352	13,975	1,027,161	183	468	1.36
Arnprior	5,632	1,824	5,155	116,120	11,545,793	1,667	577	1.01
Arthur	1,238	541	1,044	29,582	2,595,118	488	443	1.14
Athens	973	372	654	19,126	1,866,460	355	438	1.02
Atikokan Twp.	5,829	1,711	3,791	154,430	12,843,186	1,571	681	1.20
Aurora	9,518	2,868	7,465	178,926	15,900,372	2,607	508	1.13
Avonmore	244	117	225	8,189	503,889	104	404	1.63
Aylmer	4,549	1,557	4,879	92,363	9,215,934	1,404	547	1.00
Ayr	1,058	388	794	21,859	1,992,098	319	520	1.10
Baden	920	288	929	19,214	1,740,239	272	533	1.10
†Bala	*494	842	457	36,904	1,624,700	762	178	2.27
Bancroft	2,369	781	1,649	55,175	3,891,385	645	503	1.42
Barrie	23,225	7,484	23,290	476,086	47,839,091	6,808	586	1.00
Barry's Bay	1,397	433	588	16,782	1,388,110	403	287	1.21
Bath	691	258	492	18,045	1,320,525	234	470	1.37
Beachburg	550	222	418	15,138	956,291	209	381	1.58
Beachville	900	310	2,324	19,375	1,753,870	298	490	1.10
Beamsville	3,290	1,155	2,213	59,405	4,880,261	1,062	§459	1.22
†Beardmore	1,065	331	552	25,444	1,641,100	258	530	1.55
Beaverton	1,205	601	1,618	29,479	2,757,920	549	419	1.07
Beeton	881	320	634	21,540	1,648,941	301	457	1.31
Belle River	1,920	729	947	34,787	1,952,329	674	241	1.78
Belleville	30,610	10,450	27,565	621,298	66,462,539	9,541	580	0.93
‡Belmont	734	234	978	9,314	577,732	218	442	1.61
Blenheim	3,331	1,201	2,007	48,241	3,321,617	1,067	259	1.45
†Blind River	3,796	1,174	2,534	91,036	6,099,800	988	514	1.49
Bloomfield	729	316	554	16,435	1,467,848	296	413	1.12
Blyth	745	337	817	17,865	1,550,773	301	429	1.15
Bobcaygeon	1,240	748	1,054	37,854	2,660,997	620	358	1.42

‡Six months' operation.
†Retail service provided by The Hydro-Electric Power Commission of Ontario.
*Excluding summer population
§Estimated.

AND CONSUMPTION

December 31, 1963

Alphabetically Arranged)

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
29,792	1,843,215	73	2,104	1.62	131,298	11,252,788	40	3,369	23,443	1.17
3,836	248,950	20	1,037	1.54	7,311	433,570	5	260	7,226	1.69
35,470	2,403,967	79	2,536	1.48	186,864	20,392,922	76	5,862	22,361	0.92
24,251	1,646,998	69	1,989	1.47	38,081	3,160,690	19	1,047	13,863	1.20
5,498	347,910	20	1,450	1.58	9,682	682,100	10	301	5,684	1.42
39,550	2,287,640	159	1,199	1.73	41,966	3,733,836	36	1,278	8,643	1.12
21,020	1,662,584	59	2,348	1.26	38,852	4,460,904	23	1,298	16,163	0.87
5,120	247,140	23	895	2.07	1,602	68,895	8	53	718	2.33
38,533	2,583,719	126	1,709	1.49	77,998	7,614,509	32	2,244	19,829	1.02
23,483	1,053,389	77	1,140	2.23	6,340	505,273	7	145	6,015	1.25
1,502	71,940	18	333	2.09	.....	.....	.....	.....	.....	.....
3,247	205,812	10	1,715	1.58	3,779	159,030	2	101	6,626	2.38
55,008	4,243,618	137	2,581	1.30	57,362	5,446,617	20	1,709	22,694	1.05
8,532	478,104	38	1,048	1.78	6,015	322,130	15	226	1,790	1.87
3,719	274,530	15	1,525	1.35	1,066	72,800	2	48	3,033	1.46
62,855	3,991,727	127	2,619	1.57	8,127	543,446	13	268	3,484	1.50
71,352	5,390,721	221	2,033	1.32	106,936	9,808,813	40	3,180	20,435	1.09
2,705	153,690	12	1,067	1.76	1,059	42,750	1	38	3,563	2.48
55,588	4,124,587	118	2,913	1.35	93,491	7,137,341	35	3,305	16,994	1.31
11,605	710,910	56	1,058	1.63	9,827	518,061	13	304	3,321	1.90
2,728	180,293	11	1,366	1.51	19,376	1,729,384	5	579	28,823	1.12
14,871	687,700	73	785	2.16	1,400	84,900	7	47	1,011	1.65
36,920	1,793,049	120	1,245	2.06	13,706	852,160	16	424	4,438	1.61
298,627	22,289,089	557	3,335	1.34	271,229	34,863,308	119	10,323	24,414	0.78
6,428	482,790	26	1,547	1.33	1,032	86,020	4	35	1,792	1.20
5,452	239,655	23	868	2.27	672	66,710	1	11	5,559	1.01
1,859	103,852	9	962	1.79	7,900	569,520	4	214	11,865	1.39
2,062	114,500	10	954	1.80	84,996	12,365,704	2	1,890	515,238	0.69
25,141	1,555,398	83	§1,258	1.62	11,705	823,255	10	356	6,860	1.42
15,124	819,500	70	976	1,85	131	400	3	11	.....	.....
11,739	883,681	38	1,938	1.33	27,733	2,447,837	14	1,095	14,570	1.13
2,895	147,591	12	1,025	1.96	5,464	342,700	7	129	4,080	1.59
16,867	970,192	49	1,650	1.74	4,707	348,138	6	133	4,835	1.35
342,464	28,355,938	771	3,065	1,21	273,461	33,246,267	138	9,283	20,076	0.82
1,896	100,120	11	1,517	1.89	23,154	1,792,147	5	944	59,738	1.29
35,862	2,058,781	106	1,619	1.74	29,821	1,830,175	28	885	5,447	1.63
56,752	3,351,600	180	1,552	1.69	24,660	1,647,500	6	531	22,882	1.50
3,748	234,067	14	1,393	1.60	2,341	61,035	6	152	848	3.84
7,066	434,473	29	1,248	1.63	16,904	1,437,215	7	420	17,110	1.18
19,461	981,205	118	693	1.98	7,440	340,913	10	269	2,841	2.18

CUSTOMERS, REVENUE, for the Year Ended

	Population	Total Customers	Peak Load December 1963	Residential Service (including flat-rate water-heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	No.	No.	kw	$	kwh	No.	kwh	¢
Bolton	2,152	670	1,594	62,645	4,673,753	626	622	1.34
Bothwell	818	333	589	13,181	1,032,549	291	296	1.28
Bowmanville	7,532	2,536	8,021	147,403	16,285,879	2,350	578	0.91
Bracebridge	3,000	1,201	931	72,463	5,995,670	961	520	1.21
Bradford	2,374	849	2,214	53,189	4,841,510	724	557	1.10
Braeside	531	159	1,817	9,075	740,193	149	414	1.23
Brampton	26,191	7,677	26,553	566,875	46,896,783	7,228	541	1.21
Brantford	54,917	17,673	51,155	980,072	87,461,852	15,750	463	1.12
Brantford Twp.	8,094	2,488	7,533	287,992	19,254,115	2,304	696	1.50
Brechin	265	95	178	3,670	368,407	81	379	1.00
Bridgeport	1,720	506	1,091	35,491	3,059,406	474	538	1.16
Brigden	548	219	302	6,909	487,810	187	217	1.42
Brighton	2,686	1,055	1,998	59,882	5,697,506	973	488	1.05
Brockville	18,456	6,295	20,710	407,126	36,002,514	5,847	513	1.13
Brussels	820	393	801	24,415	1,900,627	350	453	1.28
Burford	1,061	426	949	30,949	2,643,119	381	578	1.17
Burgessville	275	98	256	6,262	525,224	80	547	1.19
Burk's Falls	942	357	868	23,073	1,673,570	323	432	1.38
Burlington	51,522	15,117	44,778	1,420,318	112,373,498	14,290	655	1.26
Cache Bay	790	192	244	9,141	562,736	186	252	1.62
Caledonia	2,355	848	1,390	36,885	2,807,687	783	§315	1.31
Campbellford	3,472	1,420	1,321	80,082	8,019,312	1,255	532	1.00
Campbellville	217	88	200	7,708	576,589	80	601	1.34
Cannington	1,056	458	818	24,494	2,156,198	417	§456	1.14
Capreol	3,006	998	2,283	87,643	6,649,538	947	§596	1.32
Cardinal	1,990	672	1,057	36,696	3,333,994	632	440	1.10
Carleton Place	4,771	1,776	3,707	111,502	9,063,413	1,656	456	1.23
Casselman	1,278	384	954	24,576	1,820,242	356	426	1.35
Cayuga	961	392	597	18,315	1,287,712	339	317	1.42
Chalk River	1,154	292	657	19,385	1,791,330	276	541	1.08
Chapleau Twp.	3,758	1,015	712	103,004	2,056,141	868	197	5.01
Chatham	30,116	9,994	26,187	495,203	29,172,827	8,487	286	1.70
Chatsworth	382	174	359	9,577	826,310	156	441	1.16
Chesley	1,722	748	1,456	36,464	3,321,898	606	457	1.10
Chesterville	1,275	470	1,753	26,315	2,491,505	429	484	1.06
Chippawa	3,402	1,110	1,714	64,177	4,543,990	1,012	374	1.41
Clifford	556	225	444	13,918	1,154,620	205	469	1.21
Clinton	3,552	1,305	2,976	82,893	6,874,898	1,170	490	1.21
†Cobalt	2,251	757	1,290	53,210	3,476,300	632	458	1.53
Cobden	912	391	891	19,227	2,116,572	360	490	0.91

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
§Estimated.

AND CONSUMPTION

December 31, 1963

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
15,489	989,697	31	2,660	1.57	8,000	525,880	13	242	3,371	1.52
8,567	646,531	31	1,738	1.33	4,272	146,633	11	205	1,111	2.91
69,960	6,339,389	146	3,618	1.10	99,213	12,124,590	40	3,336	25,260	0.82
56,268	4,034,409	214	1,571	1.39	14,085	1,060,656	26	546	3,400	1.33
30,367	1,912,763	95	1,678	1.59	29,806	2,463,117	30	933	6,842	1.21
913	55,620	8	579	1.64	57,853	6,056,132	2	1,630	252,339	0.96
222,342	17,263,078	349	4,122	1.29	334,640	37,049,952	100	8,945	30,875	0.90
434,071	36,189,479	1,623	1,858	1.20	874,088	105,347,175	300	29,814	29,263	0.83
87,668	6,134,897	129	3,963	1.43	120,711	8,096,112	55	3,474	12,267	1.49
2,510	202,509	13	1,298	1.24	470	17,448	1	26	1,454	2.69
13,533	952,289	24	3,307	1.42	3,891	192,400	8	147	2,004	2.02
5,449	355,600	24	1,235	1.53	4,354	175,945	8	168	1,833	2.47
21,696	1,461,571	74	1,646	1.48	7,919	616,503	8	276	6,422	1.28
200,342	15,420,653	401	3,205	1.30	282,576	35,290,376	47	9,306	62,572	0.80
8,109	465,972	34	1,142	1.74	6,620	322,235	9	189	2,984	2.05
10,609	694,803	37	1,565	1.53	4,951	276,545	8	163	2,881	1.79
3,697	171,325	15	952	2.16	2,672	48,880	3	98	1,358	5.47
10,371	611,300	30	1,698	1.70	11,347	870,710	4	264	18,140	1.30
425,996	30,538,414	679	3,748	1.39	467,287	43,031,152	148	13,370	24,229	1.09
732	31,613	3	878	2.32	16,260	841,130	3	440	23,365	1.93
21,428	1,394,670	40	§1,459	1.54	11,718	847,895	25	333	2,826	1.38
35,705	3,000,333	140	1,786	1.19	45,475	4,673,889	25	1,628	15,580	0.97
1,202	80,271	7	956	1.50	461	42,200	1	8	3,517	1.09
8,443	465,648	28	§756	1.81	5,411	338,141	13	168	2,168	1.60
20,031	1,174,044	47	§1,537	1.71	13,348	1,415,327	4	300	29,486	0.94
9,298	625,180	36	1,447	1.49	1,380	125,540	4	39	2,615	1.10
32,235	1,899,521	89	1,779	1.70	49,868	4,696,353	31	1,464	12,625	1.06
9,230	537,688	22	2,037	1.72	14,655	724,135	6	459	10,057	2.02
11,824	710,720	43	1,377	1.66	5,050	144,020	10	207	1,200	3.51
4,580	346,740	14	2,064	1.32	2,611	212,400	2	89	8,850	1.23
56,052	966,804	130	620	5.80	17,295	549,320	17	183	2,693	3.15
489,888	24,002,071	1,238	1,616	2.04	630,382	54,439,246	269	16,765	16,865	1.16
4,369	264,090	17	1,295	1.65	662	26,700	1	21	2,225	2.48
19,414	1,138,692	114	832	1.70	14,285	876,660	28	491	2,609	1.63
8,333	601,012	32	1,565	1.39	39,660	4,181,659	9	1,042	38,719	0.95
22,872	1,207,878	85	1,184	1.89	5,736	544,626	13	181	3,491	1.05
3,765	250,393	14	1,490	1.50	4,041	293,350	6	104	4,074	1.38
43,410	2,981,581	108	2,301	1.46	23,980	1,627,588	27	695	5,023	1.47
21,315	1,106,500	119	775	1.93	9,408	767,700	6	207	10,663	1.23
7,739	555,145	25	1,850	1.39	3,924	182,980	6	217	2,541	2.14

CUSTOMERS, REVENUE, for the Year Ended

	Population	Total Customers	Peak Load December 1963	Residential Service (including flat-rate water-heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	No.	No.	kw	$	kwh	No.	kwh	¢
Cobourg	9,917	3,720	11,780	215,375	21,450,887	3,354	533	1.00
Cochrane	4,617	1,334	3,803	96,245	7,388,332	1,114	553	1.30
Colborne	1,371	599	1,264	34,221	2,956,355	492	501	1.16
Coldwater	775	291	646	16,512	1,612,680	271	496	1.02
Collingwood	8,362	3,224	7,130	154,754	15,342,529	2,945	434	1.01
Comber	586	237	375	9,045	604,870	205	246	1.50
Coniston	2,593	695	1,457	57,449	4,579,951	676	565	1.25
Cookstown	661	256	487	14,707	1,323,655	236	467	1.11
Cottam	642	252	340	11,213	863,598	228	316	1.30
Courtright	554	205	242	8,033	471,445	192	205	1.70
Creemore	884	364	649	19,445	1,739,278	309	469	1.12
Dashwood	414	188	359	13,852	917,081	177	432	1.51
Deep River	5,585	1,476	4,867	139,446	12,855,745	1,334	803	1.08
Delaware	428	143	292	11,920	854,940	124	575	1.39
Delhi	3,623	1,488	3,493	68,818	6,085,329	1,327	382	1.13
Deseronto	1,775	617	1,113	31,978	3,001,963	577	434	1.07
Dorchester	984	340	658	17,840	1,447,480	319	378	1.23
Drayton	640	274	556	17,982	1,259,183	246	427	1.43
Dresden	2,304	934	1,598	38,747	2,637,985	843	261	1.47
Drumbo	399	166	271	10,264	889,876	160	463	1.15
Dryden	6,230	1,946	4,343	158,098	12,669,202	1,814	582	1.25
Dublin	310	118	382	7,099	634,920	104	509	1.12
Dundalk	926	471	840	22,654	1,894,343	422	374	1.20
Dundas	13,758	4,398	11,687	324,740	23,918,123	4,088	488	1.36
Dunnville	5,491	1,988	4,324	73,759	5,250,047	1,765	248	1.40
Durham	2,450	892	2,063	48,344	4,116,014	738	465	1.17
Dutton	799	354	474	13,405	997,645	325	256	1.34
East York Twp.	70,176	24,193	44,146	1,346,274	125,491,563	23,125	452	1.07
Eganville	1,528	528	786	28,151	1,944,035	426	380	1.45
†Elk Lake Townsite	§650	227	449	12,488	833,100	168	413	1.50
Elmira	3,629	1,293	4,906	85,707	7,481,120	1,179	529	1.15
Elmvale	976	415	876	22,761	2,081,856	374	464	1.09
Elmwood	§450	136	242	5,418	465,590	127	306	1.16
Elora	1,489	534	1,003	37,950	2,641,867	459	480	1.44
Embro	610	239	521	15,080	1,255,251	190	551	1.20
†Englehart	1,790	634	1,220	40,890	2,502,400	531	393	1.63
Erieau	472	360	450	14,811	1,205,186	326	308	1.23
Erie Beach	*199	140	75	6,118	218,960	133	137	2.79
Erin	1,102	431	762	26,075	2,155,395	392	458	1.21
Espanola	5,329	1,362	3,186	125,467	9,470,427	1,268	622	1.32

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
*Excluding summer population.
§Estimated

AND CONSUMPTION

December 31, 1963

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
80,479	6,343,919	290	1,823	1.27	215,691	27,433,816	76	6,936	30,081	0.79
62,682	3,369,533	193	1,455	1.86	28,600	2,364,785	27	752	7,299	1.21
18,622	915,341	96	795	2.03	10,712	677,881	11	277	5,135	1.58
3,631	235,981	15	1,311	1.54	4,544	274,596	5	185	4,577	1.65
75,482	5,869,667	208	2,352	1.29	102,271	10,464,284	71	3,557	12,282	0.98
6,523	348,380	25	1,161	1.87	8,009	319,640	7	264	3,805	2.51
7,580	449,289	16	2,340	1.69	2,513	191,720	3	65	5,326	1.31
2,732	140,380	15	780	1.95	3,074	165,410	5	110	2,757	1.86
3,470	199,600	17	978	1.74	3,565	68,430	7	200	815	5.21
2,896	166,460	11	1,261	1.74	649	57,630	2	15	2,401	1.13
7,863	428,370	49	729	1.84	3,105	162,000	6	131	2,250	1.92
1,884	96,530	8	1,006	1.95	5,361	221,500	3	159	6,153	2.42
65,980	4,571,588	134	2,843	1.44	10,014	817,970	8	299	8,521	1.22
3,486	141,496	19	621	2.46	.....	.....	.....	.....	.....	.....
55,963	3,856,572	124	2,592	1.45	37,597	2,219,942	37	1,356	5,000	1.69
7,383	507,504	25	1,692	1.45	17,154	1,238,040	15	612	6,878	1.39
2,780	148,082	17	726	1.88	7,227	379,980	4	215	7,916	1.90
4,687	232,006	24	806	2.02	4,068	156,229	4	129	3,255	2.60
21,420	1,324,528	64	1,725	1.62	52,242	3,559,581	27	1,416	10,986	1.47
1,065	47,380	4	987	2.25	1,417	48,440	2	48	2,018	2.93
77,937	5,034,202	127	3,303	1.55	6,167	417,700	5	158	6,962	1.48
4,247	313,438	12	2,177	1.35	7,539	395,000	2	173	16,458	1.91
9,571	535,582	35	1,275	1.79	8,292	418,308	14	303	2,490	1.98
152,016	10,177,557	216	3,927	1.49	129,254	10,152,960	94	4,111	9,001	1.27
56,243	3,775,343	186	1,691	1.49	96,039	8,994,450	37	2,670	20,258	1.07
25,378	1,426,893	131	908	1.78	31,660	1,943,225	23	976	7,041	1.63
4,008	247,835	18	1,147	1.62	7,794	526,648	11	262	3,990	1.48
511,291	45,379,044	982	3,851	1.13	305,516	34,048,799	86	9,616	32,993	0.90
24,653	1,068,392	94	947	2.31	8,948	591,638	8	245	6,163	1.51
7,446	452,800	57	662	1.64	7,219	260,600	2	273	10,858	2.77
39,911	2,398,169	79	2,530	1.66	115,122	10,936,797	35	3,062	26,040	1.05
10,672	780,825	31	2,099	1.37	2,282	161,770	10	78	1,348	1.41
1,526	102,136	8	1,064	1.49	2,653	106,000	1	93	8,833	2.50
12,883	609,355	69	736	2.11	8,714	656,879	6	236	9,123	1.33
4,850	324,869	45	602	1.49	4,534	211,670	4	109	4,410	2.14
20,976	1,083,600	100	903	1.94	7,187	654,200	3	177	18,172	1.10
7,749	562,550	28	1,674	1.38	7,965	317,335	6	234	4,407	2.51
591	20,930	7	249	2.82	.....	.....	.....	.....	.....	.....
8,339	525,203	32	1,368	1.59	4,022	214,435	7	172	2,553	1.88
48,798	3,186,078	88	3,017	1.53	4,303	265,885	6	142	3,693	1.62

CUSTOMERS, REVENUE,

for the Year Ended

	Population	Total Customers	Peak Load December 1963	Residential Service (including flat-rate water-heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	No.	No.	kw	$	kwh	No.	kwh	¢
Essex	3,494	1,215	2,237	55,358	4,107,587	1,083	316	1.35
Etobicoke Twp.	177,537	59,053	175,989	4,206,627	390,588,519	55,775	584	1.08
Exeter	3,225	1,306	2,686	90,865	7,107,789	1,097	540	1.28
Fergus	4,009	1,456	4,042	101,569	7,888,526	1,267	519	1.29
Finch	394	177	376	10,658	852,007	165	430	1.25
Flesherton	503	256	518	10,468	1,156,712	228	423	0.90
Fonthill	2,572	848	1,575	57,100	4,582,307	765	499	1.25
Forest	2,137	928	1,728	51,742	5,002,290	849	491	1.03
Forest Hill	21,126	8,982	18,010	616,398	59,771,295	8,549	583	1.03
Fort William	46,134	14,516	43,742	804,702	104,247,680	12,734	682	0.77
Frankford	1,693	652	1,123	36,425	3,430,225	609	469	1.06
Galt	28,756	9,678	28,669	602,145	52,366,574	8,980	§488	1.15
Georgetown	11,177	3,396	10,292	234,585	19,937,597	3,145	528	1.18
†Geraldton	3,551	1,126	1,812	74,760	4,456,400	930	399	1.68
Glencoe	1,179	520	767	15,698	1,313,834	450	243	1.19
Goderich	6,657	2,551	7,119	154,474	13,202,013	2,333	472	1.17
†Gogama	§500	156	340	15,555	606,100	133	380	2.57
Grand Bend	*667	840	646	43,854	2,035,470	734	231	2.15
Grand Valley	722	337	611	17,366	1,299,780	266	407	1.34
Granton	280	121	144	6,749	416,854	102	341	1.62
Gravenhurst	3,202	1,402	2,847	62,404	6,809,095	1,269	447	0.92
Grimsby	5,719	1,998	4,071	112,508	8,272,671	1,781	387	1.36
Guelph	40,918	13,048	39,151	944,000	73,334,686	11,854	516	1.29
Hagersville	2,046	793	1,826	31,772	2,538,095	616	343	1.25
†Haileybury	2,842	955	1,957	69,524	4,664,400	784	496	1.49
Hamilton	271,300	85,863	435,501	4,336,123	408,891,398	75,040	454	1.06
Hanover	4,502	1,751	5,412	96,514	9,380,470	1,490	525	1.03
Harriston	1,655	688	1,600	39,900	3,318,762	621	445	1.20
Harrow	1,756	719	1,580	45,406	4,034,653	615	547	1.13
Hastings	883	449	672	20,717	1,883,121	420	374	1.10
Havelock	1,277	474	819	26,643	2,116,252	443	398	1.26
Hawkesbury	8,745	2,394	5,174	163,643	12,909,955	2,234	482	1.27
Hearst	2,587	706	1,693	59,965	3,628,964	629	481	1.65
Hensall	949	370	918	21,721	1,931,016	296	544	1.12
†Hepworth	330	128	200	7,809	495,200	113	365	1.58
Hespeler	4,785	1,532	6,010	81,665	6,463,641	1,371	393	1.26
Highgate	379	165	210	4,629	343,030	125	229	1.35
Holstein	154	97	162	3,782	311,220	79	328	1.22
†Hornepayne	§1,500	487	942	53,519	2,608,550	424	513	2.05
†Hudson Townsite	§600	223	684	11,704	583,300	185	263	2.01

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
*Excluding summer population.
§Estimated.

AND CONSUMPTION

December 31, 1963

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
46,634	3,109,021	102	2,540	1.50	23,761	1,236,035	30	849	3,433	1.92
1,633,597	120,798,412	2,387	4,217	1.35	2,666,995	284,769,574	891	74,206	26,634	0.94
33,921	1,971,216	173	950	1.72	31,793	1,825,651	36	1,033	4,226	1.74
35,276	1,777,440	156	949	1.98	84,900	6,786,442	33	2,381	17,137	1.25
1,887	96,020	8	1,000	1.97	3,224	119,880	4	119	2,498	2.69
5,239	379,878	26	1,218	1.38	1,471	98,120	2	64	4,088	1.50
15,470	885,611	72	1,025	1.75	4,491	244,310	11	139	1,851	1.84
21,737	1,573,992	54	2,429	1.38	13,540	1,158,457	25	483	3,862	1.17
212,205	18,242,630	429	3,544	1.16	10,032	1,249,250	4	294	26,026	0.80
446,623	44,538,722	1,584	2,343	1.00	503,413	59,642,331	198	20,708	25,102	0.84
6,009	430,031	37	969	1.40	2,666	225,719	6	107	3,135	1.18
234,364	15,731,312	552	§2,241	1.49	566,814	62,167,099	146	18,448	35,484	0.91
72,720	4,840,467	204	1,977	1.50	196,844	22,756,787	47	5,217	40,349	0.86
51,337	2,786,200	179	1,297	1.84	2,756	116,300	17	79	570	2.37
16,246	1,093,303	53	1,719	1.49	10,272	496,364	17	408	2,433	2.07
52,860	3,219,681	150	1,789	1.64	182,099	14,827,474	68	5,015	18,171	1.23
4,665	173,200	21	687	2.69	5,858	343,100	2	73	14,296	1.71
26,835	1,404,068	106	1,104	1.91	.....	.....	.....	.....	.....	.....
7,895	365,200	62	491	2.16	5,269	230,850	9	183	2,138	2.28
1,720	68,035	18	315	2.53	148	510	1	10	.....	.....
31,096	2,703,103	103	2,187	1.15	22,497	2,433,332	30	826	6,759	0.92
78,642	5,223,717	191	2,279	1.51	36,984	2,788,580	26	1,003	8,938	1.33
441,254	29,015,574	1,063	2,275	1.52	878,177	91,820,254	131	23,737	58,410	0.96
29,571	1,776,132	150	987	1.66	38,101	2,403,418	27	1,391	7,418	1.59
46,873	2,472,300	163	1,264	1.90	5,361	421,600	8	160	4,392	1.27
2,726,605	237,995,013	9,164	2,164	1.15	11,126,692	1,858,926,559	1,659	331,335	93,376	0.60
40,850	2,781,153	225	1,030	1.47	70,595	6,700,171	36	2,593	15,510	1.05
15,127	953,007	51	1,557	1.59	25,665	2,257,437	16	708	11,757	1.14
25,728	1,593,763	89	1,492	1.61	19,436	937,200	15	668	5,207	2.07
4,447	316,960	24	1,101	1.40	3,439	219,490	5	138	3,658	1.57
9,147	568,699	28	1,693	1.61	1,955	137,170	3	62	3,810	1.43
84,244	4,933,738	133	3,091	1.71	18,657	1,284,861	27	672	3,966	1.45
32,298	1,731,689	66	2,186	1.87	15,225	980,079	11	420	7,425	1.55
8,996	494,422	52	792	1.82	21,461	1,327,720	22	703	5,029	1.62
3,310	157,500	15	875	2.10	.....	.....	.....	.....	.....	.....
27,625	1,596,327	124	1,073	1.73	171,262	19,997,213	37	5,261	45,039	0.86
3,547	196,670	36	455	1.80	3,799	141,280	4	141	2,943	2.69
1,257	72,800	16	379	1.73	952	64,100	2	19	2,671	1.49
22,540	929,150	60	1,290	2.43	8,477	602,000	3	119	16,722	1.41
5,598	290,700	35	692	1.93	24,615	1,734,200	3	459	48,172	1.42

CUSTOMERS, REVENUE, for the Year Ended

	Population	Total Customers	Peak Load December 1963	Residential Service (including flat-rate water-heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	No.	No.	kw	$	kwh	No.	kwh	¢
Huntsville	3,072	1,228	3,051	71,755	6,366,029	986	538	1.13
Ingersoll	7,309	2,402	6,336	130,769	8,670,285	2,100	344	1.51
Iroquois	1,146	397	1,078	28,048	2,545,240	341	622	1.10
Jarvis	762	276	479	13,404	899,305	255	294	1.49
†Jellicoe Townsite	§200	68	90	4,378	249,000	56	371	1.76
Kapuskasing	§11,887	2,302	4,839	139,144	12,020,692	2,097	478	1.16
†Kearns Townsite	§500	190	332	14,013	967,300	177	455	1.45
Kemptville	2,064	812	2,124	51,210	4,421,143	755	488	1.16
Killaloe Station	898	291	498	18,577	1,019,808	269	316	1.82
Kincardine	2,875	1,277	2,349	63,627	6,345,782	1,153	459	1.00
King City	1,867	543	1,383	66,189	4,592,482	523	732	1.44
†King Kirkland Townsite	§600	202	325	14,419	971,400	181	447	1.48
Kingston	50,011	16,859	49,096	1,065,896	101,909,930	14,347	592	1.05
Kingsville	3,459	1,279	2,319	49,575	4,655,758	1,127	344	1.06
Kirkfield	197	107	142	5,551	371,136	100	309	1.50
†Kirkland Lake (including Swastika)	§18,600	6,047	10,585	383,003	25,348,000	5,112	413	1.51
Kitchener	80,283	26,179	85,703	1,609,614	159,378,797	24,400	544	1.01
Lakefield	2,200	791	1,748	45,401	4,648,476	654	592	0.98
Lambeth	2,407	700	1,451	55,405	3,949,246	670	491	1.40
Lanark	950	300	474	12,247	1,238,944	282	366	0.99
Lancaster	572	215	409	13,275	970,142	193	419	1.37
Larder Lake Twp.	1,710	528	999	40,429	3,288,370	473	579	1.23
Latchford	487	160	210	6,845	484,329	149	271	1.41
Leamington	8,934	3,389	7,864	156,435	12,471,664	3,062	339	1.25
Lindsay	11,303	4,063	11,245	230,250	21,924,132	3,714	492	1.05
Listowel	4,220	1,631	4,461	98,989	9,050,563	1,464	515	1.09
London	171,116	54,873	145,615	3,126,476	249,892,720	51,589	404	1.25
Long Branch	11,129	4,484	8,411	242,572	21,298,719	4,281	415	1.14
L'Orignal	1,289	403	796	23,961	1,740,616	377	385	1.38
Lucan	950	362	720	25,981	2,018,462	339	496	1.29
Lucknow	1,066	469	1,131	20,297	1,863,112	367	423	1.09
Lynden	557	184	379	12,810	1,103,927	176	523	1.16
Madoc	1,491	603	1,205	27,902	2,820,756	530	444	0.99
Magnetawan	253	109	101	6,247	325,630	104	261	1.92
Markdale	1,111	494	978	22,854	2,081,407	385	451	1.10
Markham	5,265	1,684	4,871	135,981	10,577,426	1,566	563	1.29
Marmora	1,308	504	949	29,078	2,491,202	465	446	1.17
Martintown	393	124	193	5,873	473,640	108	365	1.24
Massey	1,317	370	655	31,216	1,871,165	350	446	1.67
†Matachewan Twp.	§950	309	327	15,352	971,600	266	304	1.58

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
§Estimated.

AND CONSUMPTION

December 31, 1963

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
64,527	4,158,563	208	1,666	1.55	17,379	1,346,568	34	649	3,300	1.29
67,280	3,919,216	247	1,322	1.72	151,870	14,911,643	55	4,563	22,593	1.02
16,794	1,130,833	52	1,812	1.49	3,340	291,325	4	114	6,069	1.15
4,451	235,316	15	1,307	1.89	7,647	441,493	6	210	6,132	1.73
2,074	113,680	12	789	1.82	.....	.....	.....	.....	.....	.....
78,056	4,978,291	175	2,371	1.57	9,225	557,803	30	422	1,549	1.65
2,532	158,000	12	1,097	1.60	482	18,800	1	15	1,567	2.56
31,274	2,312,063	46	4,189	1.35	22,609	1,538,282	11	722	11,654	1.47
6,509	349,012	21	1,385	1.86	187	1,300	1	15	108	.....
27,049	1,756,103	100	1,463	1.54	35,590	2,598,120	24	1,096	9,021	1.37
16,187	899,735	17	4,410	1.80	1,298	92,310	3	28	2,564	1.41
3,025	219,600	21	871	1.38	.....	.....	.....	.....	.....	.....
853,934	71,002,471	2,287	2,587	1.20	449,444	50,885,918	225	15,397	18,847	0.88
31,501	2,096,562	117	1,493	1.50	29,642	1,970,448	35	1,243	4,692	1.50
1,144	45,100	7	537	2.54	.....	.....	.....	.....	.....	.....
207,702	13,764,900	907	1,265	1.51	58,178	5,384,240	28	1,880	16,025	1.08
724,620	56,238,267	1,424	3,291	1.29	1,664,532	180,825,740	355	48,205	42,447	0.92
25,826	1,695,592	121	1,168	1.52	10,138	714,282	16	384	3,720	1.42
7,576	390,810	28	1,163	1.94	1,514	107,685	2	32	4,487	1.41
2,969	226,416	14	1,348	1.31	5,358	397,240	4	189	8,276	1.35
6,984	446,630	22	1,692	1.56	.....	.....	.....	.....	.....	.....
10,515	596,015	50	993	1.76	1,538	147,790	5	30	2,463	1.04
3,228	231,582	10	1,930	1.39	880	65,370	1	32	5,448	1.35
98,197	6,396,224	247	2,158	1.54	150,130	15,402,516	80	3,870	16,044	0.97
115,352	8,318,250	255	2,718	1.39	190,610	21,600,988	94	5,617	19,150	0.88
58,673	4,112,761	131	2,616	1.43	49,458	3,875,415	36	1,474	8,971	1.28
1,823,321	143,187,585	2,744	4,349	1.27	2,327,806	263,354,475	540	66,760	40,641	0.88
69,680	5,318,168	180	2,462	1.31	90,858	8,243,944	23	3,079	29,869	1.10
6,999	478,153	23	1,732	1.46	1,025	31,098	3	51	864	3.30
6,743	420,705	17	2,062	1.60	3,872	193,050	6	134	2,681	2.01
12,487	769,322	90	712	1.62	13,719	832,650	12	361	5,782	1.65
2,222	132,640	5	2,211	1.68	3,539	153,650	3	128	4,268	2.30
15,680	1,117,331	60	1,552	1.40	6,531	386,109	13	242	2,475	1.69
1,635	69,490	4	1,448	2.35	373	7,200	1	14	600	5.18
16,454	1,076,313	102	879	1.53	3,972	278,470	7	125	3,315	1.43
50,313	3,322,104	96	2,884	1.51	27,690	1,925,316	22	904	7,293	1.44
12,206	794,392	32	2,069	1.54	2,705	213,997	7	70	2,548	1.26
1,984	120,030	14	714	1.65	781	21,700	2	46	904	3.60
9,647	514,263	19	2,256	1.88	917	97,800	1	16	8,150	0.94
5,190	317,600	43	616	1.63	.....	.....	.....	.....	.....	.....

CUSTOMERS, REVENUE,

for the Year Ended

	Population	Total Customers	Peak Load December 1963	Residential Service (including flat-rate water heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	No.	No.	kw	$	kwh	No.	kwh	¢
†Matheson	914	317	917	20,614	1,451,900	251	482	1.42
†Mattawa	3,312	837	1,768	73,240	3,989,200	712	467	1.84
Maxville	844	322	810	17,487	1,392,524	287	404	1.26
McGarry	2,370	460	1,041	37,232	3,079,575	407	631	1.21
Meaford	3,685	1,584	3,175	76,452	7,091,447	1,344	440	1.08
Merlin	615	264	404	9,305	735,269	199	308	1.27
Merrickville	890	354	602	21,355	1,611,582	335	401	1.33
Midland	8,917	3,022	10,237	154,854	18,584,000	2,808	552	0.83
Mildmay	875	318	545	15,586	1,465,456	249	490	1.06
Millbrook	863	335	692	20,858	1,751,145	319	457	1.19
Milton	5,868	1,877	5,024	135,771	11,295,609	1,715	549	1.20
Milverton	1,122	494	1,142	28,801	2,280,034	425	447	1.26
Mimico	18,150	7,041	10,401	355,764	33,127,871	6,733	410	1.07
Mitchell	2,294	950	2,334	59,160	4,534,775	859	440	1.30
Moorefield	310	135	374	7,272	619,765	121	427	1.17
Morrisburg	1,945	728	1,590	43,300	4,130,128	640	538	1.05
Mount Brydges	997	380	475	18,570	1,155,523	349	276	1.61
Mount Forest	2,651	1,102	2,527	64,156	5,943,330	996	497	1.08
Napanee	4,404	1,731	4,034	94,270	9,201,693	1,538	499	1.02
Neustadt	533	210	475	8,413	908,290	190	398	0.93
Newboro	256	157	126	7,353	360,313	148	203	2.04
Newburgh	563	194	344	12,325	848,405	166	426	1.45
Newbury	336	138	154	5,742	442,200	129	286	1.30
Newcastle	1,278	495	1,073	30,615	2,524,638	446	472	1.21
New Hamburg	2,165	749	1,681	48,742	4,323,410	679	531	1.13
†New Liskeard	4,895	1,686	4,345	127,665	8,440,820	1,394	505	1.51
Newmarket	8,437	2,789	8,330	190,581	17,245,140	2,516	571	1.11
New Toronto	11,785	4,190	29,350	234,745	22,242,068	3,893	476	1.06
Niagara	2,770	1,077	1,955	70,275	5,868,949	935	523	1.20
Niagara Falls	53,941	16,935	38,850	976,346	82,568,645	15,852	434	1.18
Nipigon Twp.	2,783	775	1,841	46,200	4,900,153	695	588	0.94
North Bay	23,457	8,022	18,860	497,910	43,677,722	6,687	544	1.14
North York Twp.	307,584	101,235	262,061	7,139,784	615,727,577	94,870	541	1.16
Norwich	1,662	679	1,062	38,737	3,025,930	548	460	1.28
Norwood	1,093	415	737	22,868	2,144,500	375	477	1.07
Oakville	46,152	13,616	78,435	1,166,528	97,403,963	12,741	637	1.20
Oil Springs	510	240	365	8,195	613,054	191	267	1.34
Omemee	817	321	560	16,895	1,320,736	290	§397	1.28
Orangeville	4,934	1,843	4,344	133,119	11,244,612	1,661	564	1.18
Orillia	14,686	5,564	8,011	278,213	28,858,424	4,750	506	0.96

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
§Estimated.

AND CONSUMPTION

December 31, 1963

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
14,269	882,800	64	1,149	1.62	7,243	315,700	2	194	13,154	2.29
42,389	1,985,500	123	1,345	2.13	27,068	1,943,700	2	510	80,988	1.39
9,188	548,068	32	1,427	1.68	5,090	141,150	3	188	3,921	3.61
13,059	748,740	50	1,248	1.74	971	58,960	3	22	1,638	1.65
37,247	2,614,962	206	1,058	1.42	47,903	4,456,057	34	1,360	10,922	1.08
9,965	602,495	61	823	1.65	3,452	139,702	4	96	2,910	2.47
3,269	175,920	13	1,128	1.86	4,995	334,090	6	177	4,640	1.50
58,813	5,302,496	145	3,047	1.11	163,119	20,377,725	69	7,397	24,611	0.80
7,712	438,099	61	598	1.76	4,527	280,497	8	144	2,922	1.61
4,266	219,616	16	1,144	1.94	.....	.....	.....	.....	.....	.....
54,944	3,734,935	141	2,207	1.47	76,120	6,944,393	21	1,895	27,557	1.10
13,739	709,081	51	1,159	1.94	13,324	801,725	18	471	3,712	1.66
156,477	11,580,055	269	3,587	1.35	67,464	5,701,355	39	2,222	12,182	1.18
18,718	1,052,942	68	1,290	1.78	53,156	3,832,801	23	1,586	13,887	1.39
2,330	116,520	12	809	2.00	6,420	502,750	2	151	20,948	1.28
23,344	1,638,557	78	1,751	1.42	9,082	697,080	10	290	5,809	1.30
5,597	275,017	26	881	2.04	8,049	292,220	5	247	4,870	2.75
29,726	2,069,740	78	2,211	1.44	16,691	886,510	28	651	2,638	1.88
52,145	3,827,357	157	2,032	1.36	42,331	3,790,046	36	1,554	8,773	1.12
1,620	95,290	17	467	1.70	3,150	266,260	3	123	7,396	1.18
1,408	69,070	9	640	2.04	.....	.....	.....	.....	.....	.....
4,506	194,127	24	674	2.32	3,396	155,360	4	109	3,237	2.19
1,476	99,220	8	1,034	1.49	161	2,800	1	11	233	5.75
12,948	831,224	38	1,823	1.56	11,475	947,811	11	309	7,180	1.21
15,634	922,622	49	1,569	1.69	25,963	1,665,784	21	769	6,610	1.56
93,268	5,103,020	274	1,552	1.83	70,335	5,286,900	18	1,639	24,476	1.33
140,947	10,544,708	242	3,631	1.34	67,493	6,759,554	31	2,030	18,171	1.00
151,612	12,302,570	257	3,989	1.23	945,256	129,199,436	40	26,469	269,165	0.73
25,283	1,423,374	122	972	1.78	9,640	637,477	20	300	2,656	1.51
663,368	52,998,495	987	4,475	1.25	383,919	38,948,527	96	11,810	33,809	0.99
27,674	2,351,104	76	2,578	1.18	11,269	1,508,111	4	300	31,419	0.75
379,200	27,394,042	1,186	1,925	1.38	148,696	13,444,311	149	4,379	7,519	1.11
3,919,090	294,595,920	5,548	4,425	1.33	2,052,688	191,667,327	817	60,911	19,550	1.07
17,829	914,503	119	640	1.95	3,612	174,517	12	114	1,212	2.07
7,269	461,549	35	1,099	1.57	3,372	164,135	5	155	2,736	2.05
465,995	34,122,461	731	3,890	1.37	1,638,157	218,444,859	144	38,683	126,415	0.75
1,878	85,310	16	444	2.20	9,967	1,019,950	33	230	2,576	0.98
6,035	270,249	26	§582	2.23	4,456	332,594	5	97	5,543	1.34
46,860	3,151,365	139	1,889	1.49	30,922	2,425,914	43	1,235	4,701	1.27
181,740	14,142,787	671	1,756	1.29	344,433	36,106,997	143	13,619	21,041	0.95

CUSTOMERS, REVENUE, for the Year Ended

	Population	Total Customers	Peak Load December 1963	Residential Service (including flat-rate water-heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	No.	No.	kw	$	kwh	No.	kwh	¢
Orono	845	381	717	23,980	1,858,900	355	436	1.29
Oshawa	65,464	21,423	86,847	1,177,148	144,181,666	19,387	620	0.82
Ottawa (including Eastview and Rockcliffe Park)	304,365	95,466	230,626	4,992,804	663,518,580	83,821	660	0.75
Otterville	745	285	482	16,548	1,305,090	249	437	1.27
Owen Sound	17,877	6,349	14,053	381,824	37,606,680	5,891	532	1.02
Paisley	744	345	635	16,113	1,306,690	261	417	1.23
Palmerston	1,580	640	1,365	40,445	3,311,368	578	477	1.22
Paris	5,923	1,996	4,124	114,898	8,843,907	1,744	423	1.30
Parkhill	1,089	514	1,047	30,574	2,384,744	454	438	1.28
Parry Sound	6,021	2,105	3,372	148,361	12,243,683	1,901	537	1.21
Penetanguishene	5,007	1,389	3,237	73,451	8,042,765	1,276	525	0.91
Perth	5,667	2,090	5,076	124,393	10,864,782	1,908	475	1.14
Peterborough	51,257	15,385	46,816	1,098,816	97,447,198	14,428	563	1.13
Petrolia	3,744	1,334	2,478	57,787	3,830,126	1,125	284	1.51
Pickering	1,816	535	1,175	44,990	3,274,936	503	543	1.37
†Pickle Lake Landing Townsite	§300	121	227	6,734	414,760	88	393	1.62
Picton	5,035	1,894	4,762	112,056	10,636,794	1,559	569	1.05
Plattsville	485	197	742	13,702	1,048,692	186	470	1.31
Point Edward	2,894	849	5,600	39,786	2,829,370	759	311	1.41
Port Arthur	45,098	14,390	53,409	931,479	89,996,859	12,607	595	1.04
Port Burwell	742	476	303	24,401	920,669	447	172	2.65
†Port Carling	*501	557	494	31,922	1,726,800	487	295	1.85
Port Colborne	17,403	4,650	9,552	208,065	15,776,525	4,075	323	1.32
Port Credit	7,147	2,872	14,898	177,133	16,919,996	2,688	525	1.05
Port Dover	3,182	1,589	2,595	63,858	4,484,242	1,465	§263	1.42
Port Elgin	1,921	1,150	1,662	62,724	4,556,286	1,024	371	1.38
Port Hope	8,154	2,864	8,137	192,486	17,129,298	2,680	533	1.12
Port McNicoll	1,148	533	1,516	24,719	2,133,905	523	340	1.16
Port Perry	2,353	871	1,941	55,758	5,252,495	810	540	1.06
Port Rowan	834	337	406	12,864	865,740	303	238	1.49
Port Stanley	*1,436	1,175	1,090	55,665	3,792,518	1,118	283	1.47
†Powassan	1,056	387	788	28,733	2,033,800	307	552	1.41
Prescott	5,151	1,762	3,883	92,092	9,871,638	1,642	501	0.93
Preston	12,060	3,811	10,372	235,505	20,516,221	3,534	484	1.15
Priceville	137	67	57	3,161	158,680	60	220	1.99
Princeton	442	171	402	9,555	857,731	131	546	1.11
Queenston	512	173	431	12,879	1,328,811	169	655	0.97
Rainy River	1,133	429	707	34,239	1,755,256	395	370	1.95
†Red Lake Twp.	2,666	1,174	2,098	83,673	4,973,000	932	445	1.68
Red Rock	1,861	350	1,027	23,187	2,697,266	325	692	0.86

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
*Excluding summer population.
§Estimated.

AND CONSUMPTION

December 31, 1963

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
6,991	463,144	23	1,678	1.51	5,539	392,361	3	158	10,899	1.41
538,748	47,210,217	1,742	2,258	1.14	1,723,583	238,128,051	294	52,251	67,497	0.72
6,341,546	551,626,611	11,446	4,016	1.15	503,149	48,595,052	199	16,417	20,350	1.04
5,828	303,470	30	843	1.92	1,974	65,985	6	62	916	2.99
148,299	11,581,898	309	3,123	1.28	155,713	14,840,717	149	5,914	8,300	1.05
9,222	498,309	77	539	1.85	3,174	210,456	7	88	2,505	1.51
19,057	1,180,713	46	2,139	1.61	10,798	765,420	16	439	3,987	1.41
44,692	3,164,537	211	1,250	1.41	54,963	5,835,522	41	1,982	11,861	0.94
15,411	880,120	45	1,630	1.75	16,824	939,366	15	488	5,219	1.79
61,826	4,044,495	181	1,862	1.53	31,426	2,653,519	23	866	9,614	1.18
28,394	2,405,393	94	2,132	1.18	29,309	3,796,274	19	970	16,650	0.77
56,831	4,490,297	142	2,635	1.27	55,547	4,962,994	40	1,962	10,340	1.12
442,458	35,221,506	696	4,217	1.26	727,551	90,656,781	261	23,902	28,945	0.80
43,033	2,220,607	175	1,057	1.94	56,165	2,717,341	34	1,364	6,660	2.07
9,845	751,365	28	2,236	1.31	5,906	486,640	4	205	10,138	1.21
3,489	214,525	32	559	1.63	2,223	170,520	1	37	14,210	1.30
70,104	4,986,398	300	1,385	1.41	32,118	2,618,726	35	1,122	6,235	1.23
2,680	122,225	7	1,455	2.19	18,968	1,515,894	4	443	31,581	1.25
41,660	3,085,090	70	3,673	1.35	163,817	17,442,900	20	4,885	72,679	0.94
625,434	52,904,684	1,727	2,553	1.18	728,736	72,690,356	56	26,291	108,170	1.00
5,175	239,515	26	768	2.16	536	7,690	3	36	214	6.97
18,063	833,000	64	1,085	2.17	1,406	110,800	6	51	1,539	1.27
133,225	7,697,037	482	1,331	1.73	170,305	19,754,100	93	4,884	17,701	0.86
90,600	6,917,523	173	3,332	1.31	448,872	67,985,900	11	10,093	515,045	0.66
33,819	2,134,637	86	§1,371	1.58	54,429	5,301,486	38	1,581	11,626	1.03
28,040	1,623,151	112	1,208	1.73	16,611	1,086,129	14	426	6,465	1.53
62,738	4,378,614	139	2,625	1.43	161,823	16,894,088	45	4,785	31,285	0.96
3,715	246,626	8	2,569	1.51	27,264	1,713,620	2	796	71,401	1.59
15,582	1,061,809	52	1,702	1.47	6,727	476,990	9	254	4,417	1.41
6,813	390,329	29	1,122	1.75	913	40,725	5	32	679	2.24
11,595	642,090	40	1,338	1.81	8,313	358,180	17	375	1,756	2.32
13,638	764,100	77	827	1.78	983	33,900	3	34	942	2.90
44,502	3,317,581	104	2,658	1.34	37,833	3,638,439	16	1,291	18,950	1.04
54,431	3,687,500	156	1,970	1.48	235,712	21,876,258	121	7,649	15,066	1.08
771	40,880	7	487	1.89	.....	.....	.....	.....	.....	.....
4,644	287,440	36	665	1.62	2,049	79,465	4	70	1,656	2.58
4,758	398,575	4	8,304	1.19	.....	.....	.....	.....	.....	.....
12,600	567,137	31	1,525	2.22	2,635	164,310	3	63	4,564	1.60
56,245	3,604,800	233	1,289	1.56	10,046	469,100	9	250	4,344	2.14
15,151	1,244,936	24	4,323	1.22	1,200	85,000	1	54	7,083	1.41

CUSTOMERS, REVENUE, for the Year Ended

	Population	Total Customers	Peak Load December 1963	Residential Service (including flat-rate water-heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	No.	No.	kw	$	kwh	No.	kwh	¢
Renfrew	8,485	2,764	5,124	162,797	16,199,471	2,509	538	1.00
Richmond	1,268	369	943	31,065	2,702,187	349	645	1.15
Richmond Hill	18,606	5,297	13,308	411,065	32,796,637	4,998	547	1.25
Ridgetown	2,690	1,093	1,783	37,956	2,791,898	898	259	1.36
Ripley	450	212	415	11,980	1,030,723	191	450	1.16
Riverside	18,836	5,698	9,336	337,865	24,969,231	5,536	376	1.35
Rockland	3,470	803	1,738	50,906	4 405,283	753	488	1.16
Rockwood	823	307	525	21,987	1,579,976	290	454	1.39
Rodney	1,049	445	622	20,961	1,365,851	401	284	1.53
Rosseau	233	126	154	6,044	372,000	117	265	1.62
Russell	571	213	420	12,666	1,164,158	196	495	1.09
St. Catharines	85,732	26,965	98,382	1,749,224	139,646,316	24,239	480	1.25
St. Clair Beach	1,521	432	805	33,213	2,251,693	419	448	1.48
St. George	716	291	644	14,417	1,412,667	266	443	1.02
St. Jacobs	722	262	596	15,287	1,296,139	212	509	1.18
St. Mary's	4,646	1,719	10,924	116,919	9,989,859	1,580	527	1.17
St. Thomas	22,456	8,098	19,206	511,890	40,628,850	7,527	450	1.26
Sandwich East Twp.	22,070	6,313	9,196	363,562	19,061,717	6,007	264	1.91
Sandwich West Twp.	30,149	8,302	18,042	619,030	41,313,843	7,838	439	1.50
Sarnia	50,607	15,666	129,815	883,746	62,491,163	14,629	356	1.41
Scarborough Twp.	240,371	70,770	193,865	5,178,640	443,789,424	67,405	549	1.17
Schreiber Twp.	2,177	681	1,687	45,454	5,174,224	634	680	0.88
Seaforth	2,332	918	2,002	50,369	4,367,427	814	447	1.15
Shelburne	1,314	596	1,156	32,615	2,773,840	537	430	1.18
Simcoe	9,866	3,341	9,469	135,410	13,841,756	3,009	383	0.98
Sioux Lookout	2,665	957	2,081	76,475	5,821,210	812	597	1.31
Smith's Falls	9,655	3,470	9,667	234,053	20,082,137	3,154	531	1.17
Smithville	902	380	709	15,428	1,145,906	280	341	1.35
Southampton	1,814	1,266	1,359	50,969	3,978,796	1,122	296	1.28
†South Porcupine Townsite	§6,000	2,000	2,880	110,709	7,279,800	1,718	353	1.52
South River	985	333	444	23,156	912,410	305	249	2.54
Springfield	503	185	281	8,837	786,950	176	373	1.12
Stayner	1,746	695	1,445	34,239	3,409,460	621	458	1.00
Stirling	1,344	545	1,282	33,330	3,047,795	483	526	1.09
Stoney Creek	6,726	2,118	5,136	159,715	14,715,637	1,997	614	1.09
Stouffville	3,457	1,196	2,762	96,948	7,405,776	1,089	567	1.31
Stratford	21,190	7,368	20,634	464,869	40,651,172	6,506	521	1.14
Strathroy	5,295	1,906	5,033	109,013	9,611,260	1,721	465	1.13
Streetsville	5,340	1,544	4,132	110,557	8,272,953	1,365	505	1.34
Sturgeon Falls	6,651	1,697	3,705	119,210	8,910,745	1,585	468	1.34

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
§Estimated.

AND CONSUMPTION

December 31, 1963

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
61,441	4,864,606	193	2,100	1.26	89,969	9,193,298	62	3,284	12,357	0.98
13,067	960,730	20	4,003	1.36	.....	.....	.....	.....	.....	.....
135,072	9,058,954	228	3,311	1.49	133,952	9,902,509	71	3,817	11,623	1.35
30,124	1,738,616	167	868	1.73	33,802	2,272,935	28	1,019	6,765	1.49
3,622	191,440	17	938	1.89	2,358	123,185	4	82	2,566	1.91
62,405	4,116,756	125	2,745	1.52	53,640	4,185,945	37	1,707	9,428	1.28
13,256	871,923	44	1,651	1.52	1,966	201,696	6	85	2,801	0.97
4,256	250,552	16	1,305	1.70	1,185	34,500	1	46	2,875	3.43
10,384	682,082	35	1,624	1.52	7,838	377,760	9	263	3,498	2.07
2,203	123,590	9	1,144	1.78	.....	.....	.....	.....	.....	.....
3,463	242,720	15	1,348	1.43	532	35,950	2	25	1,498	1.48
840,839	53,611,461	2,428	1,840	1.57	2,405,338	305,600,056	298	64,972	85,459	0.79
3,132	182,420	7	2,172	1.72	4,245	253,797	6	136	3,525	1.67
6,433	484,348	20	2,018	1.33	6,705	480,657	5	194	8,011	1.39
10,770	645,563	42	1,281	1.67	6,482	236,330	8	273	2,462	2.74
31,549	2,092,925	95	1,836	1.51	445,084	67,450,783	44	10,915	127,748	0.66
191,094	13,781,834	439	2,616	1.39	352,302	37,495,229	132	9,863	23,671	0.94
135,334	8,385,855	234	2,986	1.61	143,370	8,349,258	72	3,740	9,663	1.72
269,256	18,566,784	380	4,072	1.45	137,531	9,771,974	84	3,539	9,694	1.41
533,274	34,951,311	864	3,371	1.53	6,056,652	1,004,420,199	173	127,449	483,825	0.60
2,156,721	170,786,995	2,970	4,792	1.26	2,041,751	199,770,557	395	57,662	42,146	1.02
19,234	1,525,457	46	2,764	1.26	4,441	563,600	1	128	46,967	0.79
26,626	1,693,225	80	1,764	1.57	21,662	1,582,108	24	746	5,493	1.37
16,324	1,181,400	46	2,140	1.38	6,531	346,930	13	259	2,224	1.88
110,697	8,456,962	272	2,591	1.31	168,879	18,990,607	60	5,232	26,376	0.89
46,457	2,224,918	138	1,344	2.09	11,941	1,178,610	7	235	14,031	1.01
122,208	10,210,131	285	2,985	1.20	107,825	12,699,571	31	3,168	34,139	0.85
13,406	666,238	85	653	2.01	14,892	913,399	15	436	5,074	1.63
23,900	1,343,125	127	881	1.78	21,666	1,489,780	17	600	7,303	1.45
51,615	2,879,200	273	879	1.79	2,921	222,000	9	97	2,056	1.32
9,811	376,556	24	1,307	2.61	9,852	482,665	4	153	10,056	2.04
1,264	107,150	7	1,276	1.18	1,764	64,425	2	101	2,684	2.74
11,421	803,065	55	1,217	1.42	11,154	1,106,582	19	403	4,853	1.01
12,082	787,117	46	1,426	1.53	8,298	654,336	16	311	3,408	1.27
44,376	3,313,748	102	2,707	1.34	9,220	677,865	19	348	2,973	1.36
40,851	2,197,735	93	1,969	1.86	14,192	730,434	14	399	4,348	1.94
237,442	16,554,811	704	1,960	1.43	355,153	35,374,168	158	11,539	18,657	1.00
53,031	3,627,096	133	2,273	1.46	108,391	8,860,639	52	3,419	14,200	1.22
50,567	2,960,940	156	1,582	1.71	51,255	4,975,865	23	1,416	18,028	1.03
55,377	3,644,274	98	3,099	1.52	7,811	800,015	14	202	4,762	0.98

CUSTOMERS, REVENUE, for the Year Ended

	Population	Total Customers	Peak Load December 1963	Residential Service (including flat-rate water-heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	No.	No.	kw	$	kwh	No.	kwh	¢
Sudbury	79,987	24,318	50,816	1,659,458	151,649,356	21,905	577	1.09
Sunderland	593	266	518	13,693	1,299,640	242	448	1.05
Sundridge	796	298	555	16,965	1,329,258	267	415	1.28
Sutton	1,413	906	1,327	44,927	3,406,257	816	§361	1.32
Swansea	9,371	3,627	7,080	216,392	20,316,036	3,451	491	1.07
Tara	503	238	611	11,939	1,077,909	213	422	1.11
Tavistock	1,190	519	1,032	32,441	2,741,921	485	§529	1.18
Tecumseh	4,458	1,359	1,763	73,890	4,368,647	1,291	282	1.69
Teeswater	935	371	892	19,604	1,779,936	333	445	1.10
Terrace Bay Twp.	1,946	454	1,713	46,770	5,491,722	418	1,095	0.85
Thamesford	1,222	421	1,028	35,356	2,717,960	394	575	1.30
Thamesville	981	437	889	18,131	1,370,087	387	295	1.32
Thedford	663	321	589	17,959	1,433,326	287	416	1.25
Thessalon	1,707	548	940	40,162	2,446,520	494	413	1.64
Thornbury	1,139	576	1,178	29,487	1,998,108	472	353	1.48
Thorndale	406	139	292	10,337	778,904	130	499	1.33
†Thornloe	153	37	50	2,965	200,100	28	596	1.48
Thornton	323	106	194	6,409	517,300	94	459	1.24
Thorold	8,679	2,593	14,901	171,194	11,741,408	2,328	420	1.46
Tilbury	3,107	1,053	1,784	41,375	2,759,815	940	245	1.50
Tillsonburg	6,790	2,628	7,511	135,437	10,690,719	2,290	389	1.27
†Timmins (including Schumacher)	§32,800	9,880	17,634	650,918	45,804,110	8,590	444	1.42
Toronto (including Leaside)	648,792	210,987	658,357	12,077,354	959,449,053	178,318	448	1.26
Toronto Twp.	70,859	18,151	70,276	1,486,758	124,287,008	17,267	600	1.20
Tottenham	797	282	506	16,552	1,530,090	254	502	1.08
Trenton	13,823	4,315	16,266	248,140	26,392,318	3,978	553	0.94
Tweed	1,752	675	1,278	31,761	3,652,372	598	509	0.87
Uxbridge	2,512	932	2,337	54.452	5,390,440	831	541	1.01
Vankleek Hill	1,708	565	916	29,497	2,144,364	515	347	1.38
Victoria Harbour	1,032	524	598	23,378	1,427,286	486	245	1.64
Walkerton	4,069	1,397	4,228	79,327	7,355,825	1,280	479	1.08
Wallaceburg	7,998	2,771	8,698	90,690	7,528,783	2,415	260	1.20
Wardsville	322	150	218	5,613	439,412	117	313	1.28
Warkworth	531	233	403	13,579	976,043	217	375	1.39
Wasaga Beach	*488	1,045	341	32,064	1,471,520	848	145	2.18
Waterdown	1,937	597	1,245	44,879	3,808,789	508	625	1.18
Waterford	2,361	841	1,542	47,477	3,327,938	794	349	1.43
Waterloo	23,401	7,575	23,075	468,651	46,306,945	6,807	567	1.01
Watford	1,280	532	1,474	29,449	2,546,630	474	448	1.16
Waubaushene	§1,450	461	409	17,403	1,093,650	432	211	1.59

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
*Excluding summer population.
§Estimated.

AND CONSUMPTION

December 31, 1963

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
921,188	56,088,225	2,116	2,209	1.64	261,233	21,024,236	297	7,696	5,899	1.24
4,644	275,270	20	1,147	1.69	3,459	219,770	4	116	4,579	1.57
9,911	617,627	27	1,906	1.60	1,171	59,540	4	40	1,240	1.97
26,950	1,630,890	83	§1,198	1.65	5,470	315,155	7	153	3,752	1.74
80,400	5,699,524	158	3,006	1.41	79,718	8,787,299	18	2,114	40,682	0.91
5,175	340,323	18	1,576	1.52	8,231	875,270	7	199	10,420	0.94
10,513	575,259	21	§648	1.83	11,225	759,255	13	338	4,867	1.48
19,474	1,123,956	56	1,673	1.73	12,554	912,639	12	371	6,338	1.38
6,197	383,137	30	1,064	1.62	13,126	1,084,210	8	391	11,294	1.21
26,933	2,164,007	34	5,304	1.24	5,193	618,000	2	126	25,750	0.84
5,415	313,209	21	1,243	1.73	14,446	1,196,660	6	319	16,620	1.21
10,017	691,477	33	1,746	1.45	21,083	1,105,235	17	756	5,418	1.91
5,584	327,518	26	1,050	1.70	6,321	454,955	8	181	4,739	1.39
19,134	1,015,587	48	1,763	1.88	4,810	293,591	6	108	4,078	1.64
16,093	769,124	85	754	2.09	30,650	2,091,145	19	1,018	9,172	1.47
1,073	49,248	7	586	2.18	1,543	59,090	2	60	2,462	2.61
1,157	51,400	9	476	2.25	.....	.....	.....	.....	.....	.....
1,577	71,840	12	499	2.20	.....	.....	.....	.....	.....	.....
59,129	3,418,704	223	1,278	1.73	513,300	69,379,774	42	12,529	137,658	0.74
28,291	1,829,420	83	1,837	1.55	33,310	1,776,980	30	1,235	4,936	1.87
118,395	8,247,675	282	2,437	1.44	100,447	7,524,929	56	3,091	11,198	1.33
353,262	21,467,775	1,257	1,423	1.65	38,493	2,116,800	33	1,190	5,345	1.82
9,533,660	670,938,787	25,446	2,197	1.42	17,991,128	1,870,033,689	7,223	464,217	21,575	0.96
615,266	46,176,475	664	5,795	1.33	1,630,345	191,650,172	220	38,479	72,595	0.85
4,213	239,915	21	952	1.76	2,081	159,758	7	59	1,902	1.30
103,740	8,391,542	265	2,639	1.24	399,943	55,134,500	72	11,451	63,813	0.73
16,680	1,408,665	61	1,924	1.18	11,826	973,085	16	561	5,068	1.22
20,225	1,360,466	76	1,492	1.49	27,273	1,602,621	25	932	5,342	1.70
12,924	872,394	43	1,691	1.48	4,753	167,225	7	205	1,991	2.84
9,020	491,784	36	1,138	1.83	977	73,920	2	24	3,080	1.32
42,489	3,082,307	96	2,676	1.38	47,735	4,361,618	21	1,473	17,308	1.09
75,919	5,953,801	263	1,887	1,28	278,769	34,920,914	93	8,399	31,291	0.80
6,277	333,298	33	842	1.88	.....	.....	.....	.....	.....	.....
3,544	206,581	16	1,076	1.72	.....	.....	.....	.....	.....	.....
29,653	1,375,500	196	585	2.16	183	4,240	1	8	353	4.32
14,924	846,018	71	993	1.76	4,931	282,255	18	179	1,307	1.75
14,215	833,460	32	2,170	1.71	21,789	1,095,560	15	674	6,086	1.99
359,300	24,712,029	672	3,064	1.45	338,353	34,538,883	96	9,375	29,982	0.98
14,542	860,306	47	1,525	1.69	33,671	2,865,611	11	985	21,709	1.18
4,899	258,970	26	830	1.89	2,551	91,800	3	61	2,550	2.78

CUSTOMERS, REVENUE,

for the Year Ended

	Population	Total Customers	Peak Load December 1963	Residential Service (including flat-rate water-heaters)				
				Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh
	No.	No.	kw	$	kwh	No.	kwh	¢
Webbwood	520	155	218	11,783	587,118	143	342	2.01
Welland	36,712	11,077	30,239	530,621	35,620,359	10,380	286	1.49
Wellesley	680	301	532	17,622	1,325,894	281	§436	1.33
Wellington	1,015	500	658	26,455	2,007,208	469	357	1.32
West Ferris Twp.	6,100	2,111	5,186	163,437	11,808,711	1,969	500	1.38
West Lorne	1,091	442	1,247	21,041	1,577,091	398	330	1.33
Weston	9,983	4,079	10,964	232,724	21,038,529	3,698	474	1.11
Westport	677	304	520	13,553	1,329,020	276	401	1.02
Wheatley	1,403	523	992	23,114	1,597,825	424	314	1.45
Whitby	13,873	4,083	14,966	265,742	24,517,432	3,699	552	1.08
†White River	972	313	728	33,398	1,371,400	249	459	2.44
Wiarton	2,036	821	1,645	49,579	4,130,581	737	467	1.20
Williamsburg	340	149	381	7,174	638,674	127	419	1.12
Winchester	1,428	602	1,519	34,135	3,117,143	541	480	1.10
Windermere	*112	131	107	6,197	386,780	120	269	1.60
Windsor	112,049	37,755	89,151	1,492,752	135,380,786	34,923	323	1.10
Wingham	2,837	1,113	2,915	66,522	6,997,482	996	585	0.95
Woodbridge	2,443	781	2,136	59,244	5,615,631	722	648	1.05
Woodstock	21,677	7,423	22,402	475,738	43,564,859	6,909	525	1.09
Woodville	420	197	313	10,431	731,080	178	§361	1.43
Wyoming	965	361	584	12,242	975,935	326	249	1.25
York Twp.	126,311	41,301	72,820	2,273,220	219,973,194	39,493	464	1.03
Zurich	729	308	521	17,714	1,269,670	250	423	1.40

†Retail service provided by The Hydro-Electric Power Commission of Ontario.
*Excluding summer population.
§Estimated.

AND CONSUMPTION

December 31, 1963

Commercial Service (including flat-rate water-heaters)					Industrial Power Service					
Revenue	Consumption	Customers	Monthly Consumption per Customer	Average Cost per Kwh	Revenue	Consumption	Customers	Average of Customers' Monthly Loads Billed	Monthly Consumption per Customer	Average Cost per Kwh
$	kwh	No.	kwh	¢	$	kwh	No.	kw	kwh	¢
2,958	116,702	11	884	2.53	550	43,400	1	10	3,617	1.27
319,303	21,891,369	615	2,966	1.46	818,457	90,423,484	82	22,587	91,894	0.91
5,897	306,478	16	§584	1.92	2,470	110,580	4	81	2,304	2.23
4,520	203,755	17	999	2.22	6,141	227,946	14	198	1,357	2.69
57,868	3,604,696	126	2,384	1.61	57,970	6,340,174	16	1,437	33,022	0.91
9,804	509,088	32	1,326	1.93	30,687	2,357,607	12	813	16,372	1.30
165,450	12,856,234	343	3,123	1.29	162,845	15,327,595	38	4,394	33,613	1.06
7,983	557,260	26	1,786	1.43	350	4,006	2	32	167	8.74
19,227	964,770	83	969	1.99	19,033	897,295	16	555	4,673	2.12
111,033	8,073,601	338	1,991	1.38	286,277	35,449,689	46	8,303	64,220	0.81
29,108	1,343,000	63	1,776	2.17	6,550	495,300	1	81	41,275	1.32
22,857	1,529,287	68	1,874	1.49	11,288	824,240	16	360	4,293	1.37
6,658	446,340	21	1,771	1.49	246	18,550	1	6	1,546	1.33
15,257	1,249,400	50	2,082	1.22	19,122	2,203,075	11	503	16,690	0.87
2,913	175,070	11	1,326	1.66	.....	.....	.....	.....	.....	.....
934,121	73,043,914	1,998	3,047	1.28	2,071,206	215,545,588	834	64,961	21,537	0.96
30,221	2,148,697	83	2,157	1.41	40,051	3,135,309	34	1,414	7,685	1.28
16,950	1,194,419	47	2,118	1.42	26,200	2,301,665	12	806	15,984	1.14
164,871	12,022,171	375	2,672	1.37	419,722	46,449,701	139	12,750	27,848	0.90
4,378	195,802	17	§620	2.24	468	17,270	2	15	720	2.71
5,989	406,059	27	1,253	1.47	9,695	441,405	8	347	4,598	2.20
847,796	67,769,042	1,645	3,433	1.25	740,987	81,392,614	163	22,166	41,612	0.91
9,684	408,386	54	630	2.37	2,005	135,430	4	46	2,821	1.48

NOTE

For certain municipalities the figures under the heading "Monthly Consumption Per Customer" have been estimated to allow for the transfer of small commercial customers to residential service.

LIST OF ABBREVIATIONS

A.M.E.U.—Association of Municipal Electrical Utilities
bhp —brake horsepower
cfs —cubic feet per second
C.L.C. —Canadian Labour Congress
ehv —extra-high-voltage
G.S. —Generating Station
hp —horsepower
Jct. —Junction
kv —kilovolt(s)
kva —kilovolt-ampere(s)
kvar —kilovar(s)
kw —kilowatt(s)
kwh —kilowatt-hour(s)
M.E.U. —Municipal Electrical Utilities
min —minimum
—minute (20-min)
mw —megawatt
O.M.E.A.—Ontario Municipal Electric Association
rpm —revolutions per minute
S.S. —Switching Station
T.S. —Transformer Station
Twp. —Township
psig —pounds per square inch gauge

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